UNIVERSITY OF LONDON

UNIVERSITY COLLEGE ANNUAL REPORT 1960-1961

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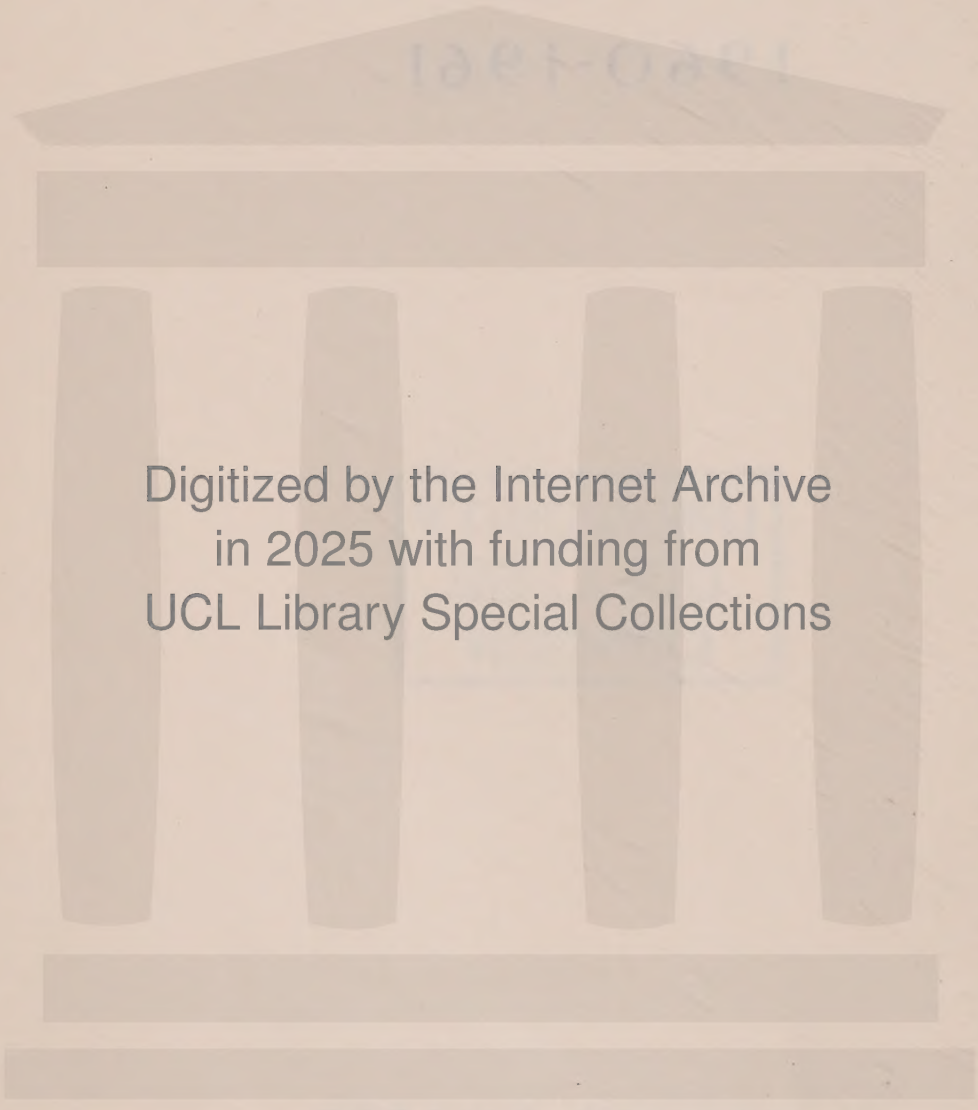

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OFFICERS OF THE COLLEGE

CHAIRMAN OF THE COLLEGE COMMITTEE

THE RIGHT HON. LORD COHEN, P.C.

VICE-CHAIRMAN OF THE COLLEGE COMMITTEE AND TREASURER

SIR FREDERICK JAMES, O.B.E.

PROVOST

SIR IFOR EVANS, D.LIT.

SECRETARY

E. A. L. GUETERBOCK, M.A.

REPORT OF THE CHAIRMAN OF THE COLLEGE COMMITTEE AND THE PROVOST

Viewed in the broadest terms, the position of the College remains as outlined in previous Reports, and the most critical requirement standing between us and the fulfilment of the major contribution that we can make to higher education and research is the provision of adequate buildings in our own rectangle and in the immediate neighbourhood; as a necessary corollary there is the provision of adequate living space in convenient areas for our students.

It will be recalled that the College and the University have given general approval to Sir Leslie Martin's plan for the development of the Bloomsbury precinct, which includes the College rectangle, the Senate House, and the other academic buildings of the University in the adjoining area. As a result of this plan the University has ceded to the College a most valuable site on the east side of Gordon Street which will give space for a new building for the Chemistry Department and will allow, in due time, for adjustment of other Departments within the rectangle itself. Unfortunately, in some quarters, it has been assumed that the fulfilment of the Martin plan would give the College all the space that it requires for its academic departments. This is far from true. Altogether, apart from the problem of development, the College is still faced with serious problems of replacement and obsolescence, many of them arising from the result of the war damage period. In order to fulfil its academic programme on a long term, the College requires a floor area of 260,000 square feet, apart from the development that will come through the Martin plan.

Fortunately planning permission has already been given to form an extension, though a minor one, outside the College rectangle at 4–10 Euston Buildings, the lease of which may be acquired through a grant from the University Grants Committee. On this site the College would be able, through a grant of £200,000 from the Wolfson Foundation and a grant of £40,000 from the Medical Research Council, to construct adequate premises for the Department of Eugenics, Biometry and Genetics, including the Galton Laboratory, and to enable the Chair of Biometry to be filled. When funds are available there will be the possibility of placing other Departments on this site, particularly during periods of reconstruction.

As far as the provision of living accommodation for the student body is concerned, the main item of news lies rather outside the period covered by this Report, but is so encouraging that it must be inserted here to complete the picture. An anonymous donor has given the College £250,000, and it will be possible to proceed forthwith with the construction of a hall of residence on the site which the College had long ago acquired on Fitzroy Street, but on which building could not take place because funds were not available. The College has been interested in the possibility that in addition to halls of residence it might have self-governing student houses, and as an experiment it is using the houses in Gordon Street, which will stand for another three years before the new building for the Chemistry Department is constructed, as accommodation for men students on this self-governing basis. It has been possible to furnish these houses through a loan of £18,000 from the Nuffield Foundation.

The College has come to the conclusion that the very important contribution that it can make to higher education and research needs to be better known, and that its long-term programme should be presented in public and in all interested quarters as a comprehensive statement. To this end the College Committee has set up a Development Council, which consists of some of its own members but has in addition, the benefit of the advice of Sir Edwin Herbert. In the period under review the Council has been able to examine all the main problems, and the result of its deliberations should be soon available.

The major new development completed in the session was the new Students' Refectory opened on 10 January 1961 by Lord Marks, whose generous gift of £60,000 had set the project in motion. The new Refectory has been attractively designed by Mr R. C. White-Cooper and the interior decorations and furnishings graciously planned by Lady Holford.

The first two stages of the Engineering Building on the Torrington Place frontage, towards which about £400,000 has been contributed by industry, were completed and will come into use at the beginning of the session 1961–62. These stages, designed by Professor Corfiato, make an impressive addition to the College buildings.

On the Gower Street frontage, the structural work is in progress on the final stage of the Biological Sciences Block which will accommodate the Department of Botany, and the third stage of the new Engineering Building.

Architects have been appointed and planning has started on the

fourth stage of the Engineering Building, and on the first stage of the Central Collegiate Building. Part of this Collegiate Building will contain a lecture hall and theatre for five hundred, and around it will be grouped the social rooms and the offices of the Students' Union, with indoor games facilities. An architect has also been appointed for the new Chemistry Building on the east side of Gordon Street, the first stage of which it is hoped will commence in 1965.

Statistics of the student population are set out in Appendices VII and VIII. The upward trend of registrations has continued. There has been an impressive increase in the number of postgraduate students, where the numbers have increased by five per cent. There are in all now 1,048 postgraduate students. The intake of new undergraduates studying for degrees and diplomas shows a marked increase from 786 in October 1959 to 815 at the beginning of the session 1960–61. Such increases as the College would wish to make are controlled primarily by limitation of accommodation. An examination of the statistics for home residence of full-time United Kingdom students, shows that the tendency for students to study in a university away from their home district is still increasing; in the session under review 1,076 full-time students came from homes within thirty miles of the College, while 1,388 came from other parts of the United Kingdom. The number of full-time students living in recognised halls of residence or in other accommodation maintained by the College or by the University is, as already indicated, deplorably low, but there was a slight improvement during the session, the number rising to 461, including 223 women students.

Income in 1960–61 was £1,978,132 and exceeded that of the previous year by £177,084. Of this large increase £147,542 was due to additional grants received from the Court of the University, including grants associated with increases in numbers of students, a special grant for the newly instituted studies in Conservation, grants for the maintenance of new buildings, and a grant for salary revision under the 1960 scheme.

Research activities sponsored by grants from Research Councils, Foundations, and other supporters, continued to increase. Expenditure in the year on such projects, not included in the figures quoted above, was £315,800, an increase of £123,007 over the previous year, while the number of research projects rose from 170 to 200 at the close of the year.

In addition an outstanding benefaction came from the Wolfson Foundation, to which reference has already been made, of £200,000 for the adaptation of 4–10 Euston Buildings. The Wellcome Trust

agreed to provide £40,000 for the erection and equipment of a new air-conditioned floor on top of the present Pharmacology Building. The Rockefeller Foundation made a further grant of $25,000 for the continuation of the definitive edition of the works of Jeremy Bentham. An anonymous gift of £1,050 a year for seven years has been made for travel grants for students in Ancient History. An old student of the Chemistry Department, Mr R. Le Rossignol, made a gift of £50,000 for research in Science.

What has been particularly encouraging has been the substantial gifts made to the Friends of University College to increase the amenities of the College. During the year the late A. Digby Besant's bequest of £750 was received; a gift from W. A. Dickie of 200 Courtauld ordinary shares; £1,000 from the Howard Samuel Charitable Settlement; 25 guineas from an anonymous donor who waived his rights to a B.B.C. broadcast fee; 35 guineas from Professor R. W. Van Alstyne as a memento of his association with the College; and £100 from the International Scientific Radio Union as a token of thanks for the work done by the College in connection with the thirteenth General Assembly of the Union. These and other smaller sums received by the Friends are of particular value, for they can be freely used to make life in the College more agreeable.

These donations and funds already in hand have permitted the Friends to continue an active programme of assisting the College in a number of ways. These contributions include £1,300 towards the groundsmen's cottages at Shenley; £3,700 for the construction of five hard tennis courts at Shenley; £2,000 to provide furnishings for the North Cloisters in order that they can be used as an informal meeting place for staff and students.

A list of publications by members of the College Departments will be found on pages 25-59, showing the amount of work which has been completed in the session. This does make an impressive record. No attempt is made here to summarise the many research projects on which the Departments are now actively engaged, but a few developments may be mentioned.

The Faculty of Arts has been able, as it has long desired, to have a Professor of Comparative Philology. Dr O. J. L. Szemerényi has been appointed to the Chair. Dr Randolph Quirk, who returns to the College as Professor of English Language, fills the first Chair of English Language to be established in response to the demand for the modern study of linguistics in relation to English and to the world-wide needs of English as an international medium. Professor Quirk's move to London has already had considerable significance

in his progress in his major project on the exploration of Current English Usage. The report of Sir William Coldstream on the Slade School draws attention to the development of the study of the Film, made possible by the appointment of Mr Thorold Dickinson as Senior Lecturer in Film. This new lectureship is already drawing students' interest from the Faculties of Arts and Science and providing a field of useful academic collaboration between departments. Two postgraduate students are engaged on the study of the Film.

Changes which are likely to have far-reaching effects have been inaugurated in the Bartlett School of Architecture by Professor Richard Llewelyn Davies, who was appointed to the Chair of Architecture in October 1960. During the past year a B.Sc. degree has been introduced in addition to the existing B.A. degree, and the diploma course in Architecture and the course leading to the certificate in Decoration have been discontinued. In future, degrees in Architecture will be awarded at the end of three instead of five years, and the concluding two years of the course will be devoted to a postgraduate diploma bringing the students to the level of their final professional qualification. The three-year degree course will concentrate on the academic side of the students' training and the final two years will be directed rather more towards professional training. These changes are designed to bring the courses in architecture into line with those of other faculties, and at the same time to give the student the type of training which will enable him to tackle the complex problems with which architects are faced at the present time. During the past year, also, a research team has been set up in the Bartlett School, financed by the Nuffield Foundation, to study the integration of hospital and community health services, with particular reference to a site adjoining the Queen Elizabeth Hospital at Birmingham. Peter Cowan, the architect in charge of this research project, was awarded the Alfred Bossom Research Fellowship of the Royal Institute of British Architects for the year 1960–61 to undertake research into the problems of urban hospitals.

The Faculty of Arts has lost a number of its members during the session to chairs in other universities. These and new appointments are recorded elsewhere in this Report. Mention may be made of the conferment of the title of Professor of Physical Anthropology on Dr N. A. Barnicot. He is the first Professor of Physical Anthropology in Great Britain, and it is appropriate that he should be at University College, which has had a long tradition of teaching and research in this field, and where these studies have been so closely related to other aspects of human biology.

The College explored, during the session, the problem of the appointment of a successor to Professor H. J. Collins in the Chadwick Chair of Civil Engineering, and it was happy to be able to nominate Dr A. H. Chilver, who has had a distinguished career in the Universities of both Bristol and Cambridge. At the same time a new Department of Photogrammetry and Surveying is to be instituted under Professor E. H. Thompson, who will continue to develop the distinctive work in these subjects previously done in the Department of Civil and Municipal Engineering. Substantial parts of the Engineering Faculty are moving into their new accommodation in Stages I and II of the new Engineering Building in Torrington Place, and the Faculty will be able to accept an appreciably increased number of students next session. The Departments have been able to install new complex equipment without any interruption of their research and teaching programmes. They have taken full advantages of the opportunities of the new building to refashion laboratory and lecture courses, so that the College can maintain the place in rapidly developing technological studies that it first established a century ago.

In the Faculty of Medical Sciences, Biochemistry is now entirely accommodated in its new building which is fully equipped for research in most fields of current biochemistry, and the additional space available has made it possible to accept more postgraduate and undergraduate students than hitherto. Pharmacology has survived a turbulent year in the hands of the builders and completed the session with a large and fine new department, including a handsome and comfortable lecture demonstration theatre to seat seventy persons.

So much has happened in the Faculty of Science that the record is best left to the list of publications, although the departments are also engaged on long-term projects which have not yet fully matured.

The College was glad to receive additional sums from the Perren Fund which has been used to build a new wing for the Observatory; this will enable the Department of Astronomy to expand its programme of spectroscopic observations.

There have been a number of important new appointments to the academic staff during the session: namely, those of Professor M. S. Bartlett, who came from the University of Manchester to the Chair of Statistics; Mr Richard Llewelyn Davies, formerly Director of the Division of Architectural Studies in the Nuffield Foundation, to the Chair of Architecture; and Mr A. F. Huxley of Trinity College, Cambridge, to the Jodrell Chair of Physiology. First appointments to

recently established Chairs and Readerships were those of Dr J. Hamilton of Christ's College, Cambridge, to a second Chair of Physics; Professor Randolph Quirk of the University of Durham, to the Chair of English Language; Professor E. C. Ryder of King's College, Newcastle, to the Chair of English Law; Dr J. H. Burns of the University of Aberdeen, to the Readership in the History of Political Thought; and Mr M. A. Millner of Queen's University, Belfast, to the Readership in Law.

The two senior Professors of the College, Professor Sir Christopher Ingold and Professor F. R. Winton, retired from their Chairs at the end of the session. Both of them will be greatly missed, not only in their capacity as heads of departments, but on account of the invaluable contribution they have made to post-war planning in the College. Both have been active in their service on College committees, and have given liberally of their time and energy to College administration and developments outside the sphere of their own departments. The University of London has conferred on them the title of Professor Emeritus.

Professor Sir Christopher Ingold held a Chair of Chemistry in the College from 1930 to 1961, and was Director of the Laboratories from 1937 to 1961. He has gained world-wide eminence in chemistry for his contribution to the theory of chemical structure and reactions. Perceiving the subject as a whole, he has made fundamental advances in organic, physical, and inorganic chemistry. The breadth of his researches is revealed by his many published papers, and his book on *Structure and Mechanism in Organic Chemistry* is a classic. His election to Fellowship of the Royal Society in 1924, the number of honorary degrees conferred on him by other universities, the medals and prizes awarded to him by learned societies, all indicate the great distinction Sir Christopher has achieved during his academic career. Nor does his retirement from the Chair mean the end of that career, for we are happy to record that he is continuing to work in the Chemistry Department with the status of Special Lecturer. Sir Christopher's great record of achievement in research, teaching, and departmental administration make it all the more remarkable that he has found time and energy to serve on the councils of scientific societies and to participate generally in major decisions of policy in the College itself. During a period in 1959 when the Provost was absent on leave, he took over the duties of Vice-Provost. He has been much assisted throughout all his work by the collaboration of Lady Ingold.

Professor F. R. Winton was first appointed to the staff of the

Department of Pharmacology in January 1925. He was a member of the staff of the Department of Physiology and Biochemistry from 1927 to 1931, when he left the College to go to Cambridge, returning in 1938 on his appointment to the Chair of Pharmacology. During the war, Professor Winton was the only head of a department left in the Faculty of Medical Sciences, and he acted as Dean throughout that period. The success of the evacuation of the Faculty to Leatherhead was in great measure due to his personality and drive. Since the war he has become not only an acknowledged authority in the field of renal physiology and pharmacology but also deeply interested in other aspects of his subject, and he has done much to encourage research, particularly in psychopharmacology and endocrinology. His wide interests outside his own subject have been evident in the variety of College activities in which he has exerted an active influence. As a result of his initiative the College Publications Committee was established in 1949 and a typographical consultant was appointed to enable the whole of the College printing to be restyled and kept under review. He has also played a major part in the establishment of the Student Health Centre, and has continued to guide the Student Health Association by his wise counsel as a member of its Committee, and latterly as its Treasurer. Throughout a long period he gave sustained support to the Library as a member of its Committee, and he was largely responsible for the formulation of a comprehensive scheme of training for junior laboratory technicians. The College Music Society and the Chamber Music Club owe much to his encouragement. There are few spheres of College activity in which benefit has not been derived from the wisdom of Professor Winton and the practical help he has given at one time or another.

The retirement of Mr D. O. Wood from the post of Senior Tutor and Tutor to Science Students and from his Senior Lectureship in the Physics Department was recorded in the Annual Report for 1951–1952. Now, ten years later, we report his retirement from the post of Careers Adviser which brings to an end Mr Wood's fifty-one years of notable and unbroken service as a member of the College staff. He was the College's first Careers Adviser, and only a person of Mr Wood's tireless energy could, after the official age for retirement, have succeeded as he has done in building up a careers organisation which now serves the students of nearly every College department. Many former students now holding interesting and responsible posts up and down the country, and beyond its borders, are indebted to Mr Wood for his assistance in securing them.

Mention should be made also of the retirement of Mr P. L. Capper, for many years Senior Lecturer in the Department of Civil and Municipal Engineering. He entered the College as a student in 1912; and, after serving in the Royal Engineers during the first world war and working as an engineer with the Great Northern Railway, he returned to the College as a member of staff in 1921. His service since then has been interrupted only by the second world war. Mr Capper was the first in the country to lecture to students on Soil Mechanics, and is well known for the text-book on Soil Mechanics which he wrote jointly with Professor Fisher Cassie. He has taken a great interest in the Engineering Society and is still serving the Old Students' Association as its Honorary Treasurer. He commanded the Engineering Unit of the University of London Officers Training Corps from 1922 to 1929.

An exceptional record of long service has been established by Mr R. A. Blackall, who came to the College in 1910 and had completed fifty-one years as a full-time member of the Library staff when he retired in July 1961. Few users of the Library can have failed to know Mr Blackall, and many will have cause to remember gratefully the help gained from his detailed knowledge of its books.

At the end of the session two members of the professorial staff resigned their Chairs to take appointments elsewhere. Professor L. W. Forster, who returned to the University of Cambridge as Schröder Professor of German, had been Head of the Department of German since 1950, and had shown to staff and students alike an unobtrusive, but unfailing, concern for their welfare—both academic and personal. With his departure, the College lost a brilliant linguist who is not only an acknowledged master of seventeenth century German literature, but a distinguished scholar in an astonishing number of fields.

Professor C. M. Robertson resigned the Yates Chair of Classical Art and Archaeology to take the Lincoln Chair of Classical Archaeology and Art at Oxford. He had done a great deal for the College and the Department of Archaeology since he came from the British Museum to the Yates Chair in 1948. While actively engaged in the production of notable publications on Greek painting, he had at the same time been successful in training a number of distinguished research students who are now in important teaching or museum posts in many parts of the world.

The resignation of Miss Dora Starke, Lecturer in the Department of French, is a matter for special regret owing to the long period of illness which occasioned it. Miss Starke has been associated with the

French Department since she entered it as a student in 1915. She was appointed to the staff in 1923, and had for many years made a valuable contribution to the undergraduate teaching. During the post-war years she became Departmental Tutor, a post for which she was admirably fitted by her personal qualities. There will be many who will recollect gratefully that, combining competence with kindness and an understanding of students' problems with a genuine concern for their welfare, she spared neither time nor trouble to smooth out difficulties encountered during their degree course, arranging with characteristic care the details of study abroad and helping them in her quiet way to ultimate success in their final examinations.

In June 1961 Dr A. W. Stonier resigned his Senior Lectureship in the Department of Political Economy, in which he had served for a considerable number of years as Tutor, to take the Chair of Economics at Makerere College, Uganda.

Mr D. G. F. Walker resigned as Deputy Librarian of the College, on his appointment as Librarian of the University of Leicester.

The year brought changes on the College Committee.

The resignation of Dr David Heron terminated a period of thirty-five years as a member of the College Committee, during which he had given outstanding and devoted service to the College. He was also a member of many subsidiary committees, including the Finance Committee for more than thirty years and the Pensions and Superannuation Committee for over twenty years. He had been Chairman of both these Committees, and held the office of Joint Treasurer of the College from 1946 to 1948, and Treasurer from 1948 to 1952. His principal interest and concern were in financial management and especially in financial matters which directly affected staff and students. The formation of the Student Health Association in 1945 also owed much to his initiative and advice. He continued until 1959 to assist in the management of the Association and for most of that time he was its Treasurer. Over a long period, which included the difficult war and post-war years, Dr Heron's great influence was exercised constantly in support not only of exactitude and method in the presentation and despatch of business, but also of right principle against solutions of expediency. The College has been fortunate to have had for so long the benefit of his prudent and far-sighted judgment and his forthright counsel.

The College Committee lost also the valuable assistance of the Earl of Cromer on his appointment as Governor of the Bank of England. In May 1961 the College learned with regret of the death of Mr W. Griffith, who was serving on the College Committee on the

nomination of the London County Council. It is with pleasure that we record the appointment to the College Committee of Mr Sylvester Gates, Deputy Chairman of the Westminster Bank.

Among a number of interesting special events during the year, one was outstanding. Sir Bernard Waley-Cohen, a member of the College Committee since 1955, held the office of Lord Mayor of London during the year, and on 7 February 1961 he and the Lady Mayoress attended a dinner at the College, accompanied by the Sheriffs and their ladies, together with a distinguished company of members and friends of the College. Further, at the invitation of the Lord Mayor, the College Committee held its meeting on 31 May 1961 at the Mansion House.

The fifth Reception to be arranged for former students of the College was held on 17 February 1961 at the invitation of the Provost and the President of the Association of Friends of the College. It took the form of a Reunion Dinner for former students who entered the College before 1918. Over seventy persons attended the Dinner, which proved to be an extremely interesting and enjoyable Reunion.

The 1961 Assembly of Faculties was held in the Large Hall at Friends' House on 29 June, and for the first time in the history of the College the Special Vistor was a woman—Dame Janet Vaughan, Principal of Somerville College, Oxford.

COHEN, *Chairman*
IFOR EVANS, *Provost*

SUPPLEMENT

OBITUARY

We record with deep regret the death during the year of a number of past and present members of the College.

Among them were seven Fellows, including Professor Emeritus Norman H. Baynes who was an outstanding figure in College life between the two world wars. He came to the History Department as a postgraduate student in 1910. Three years later he was appointed to the staff of the Department, and there he remained, first as an Assistant in Ancient History, then as Reader in the History of the Roman Empire with the additional appointment in 1927 as Director of the Evening School of History, and finally from 1931 to his retirement in 1942 as Professor of Byzantine History. His writings indicate the immense range of his learning. Besides being a great teacher and scholar, however, he was one whose humanity and generosity of

spirit never failed and whose memory is imprinted with affection and gratitude in the minds of all who knew him.

Sir Godfrey Ince, who died suddenly in December 1960, also entered the College in 1910, but as an undergraduate student. His academic record was brilliant and he achieved considerable distinction in the field of sport. In the Ministry of Labour he became a great public servant, ultimately attaining the office of Permanent Secretary. On retirement from public service in 1956 until his death, he was Chairman of Cable and Wireless Limited. A man of deep loyalties, Sir Godfrey Ince maintained a keen interest in the College and played a leading part in the foundation of the Association of Friends of the College, of which he was a Trustee and past President.

The other Fellows whose death occurred during 1960–61 were: Professor W. J. Duncan, Mechan Professor of Aeronautics and Fluid Mechanics in the University of Glasgow, and Chairman of the Aeronautical Research Council and of the Commonwealth Advisory Aeronautical Research Council; the Rt Hon. the Viscount Stansgate, formerly Secretary of State for Air and Secretary of State for India; Professor Julian Taylor, Professor of Surgery in the University of Khartoum, and formerly Surgeon at University College Hospital; Ernest Thesiger, actor and artist; and Professor M. W. Travers, Senior Fellow of the College, who was a member of the staff of the Chemistry Department from 1894 to 1904 and in recent years the biographer of Sir William Ramsay, under whom he worked at the College.

The College also lost one of its Honorary Fellows by the death of Sir Hilary Jenkinson, formerly Deputy Keeper of Public Records and Keeper of the Land Revenue Records. He was a member of the staff of the School of Librarianship from the time of its establishment in 1919 to 1926. His vigorous influence was behind all the teaching in palaeography and the newly emerging science of archives. It was on his initiative that in 1947 the University of London instituted a Postgraduate Diploma in Archive Administration, Archive studies were introduced in the School of Librarianship, and the title of the School was extended by the words 'and Archives'. He had continued to serve the School as a member of its Committee since 1948.

Among former members of the staff who died during the year were W. C. Berwick Sayers, part-time member of the staff of the School of Librarianship and Archives from 1919 to 1951; E. C. Fieller, Head of the Statistical Advisory Unit of the War Office, who was for a number of years a postgraduate student and also a member of staff in the Statistics Department; Professor Emeritus J. R. Firth, who

before his appointment to the Chair of General Linguistics at the School of Oriental and African Studies was Senior Lecturer in Phonetics at University College; Professor T. A. Stephenson, Professor of Zoology in the University of Wales, who was a member of staff in the Department of Zoology from 1922 to 1930; and Miss R. Noel Small, Steward of the Refectory from 1937 to 1948.

The College lost two present members of the staff by the death of Geoffrey Parr, part-time Lecturer in the Department of Electrical Engineering, and Dr Marian Smith, Honorary Research Associate in the Department of Anthropology.

The death of Peter J. Pryor, student in the Faculty of Laws from 1953 to 1957 and President of the University College London Union during the session 1955–56, has cut short at an early age a life of much promise. He was a man of sterling qualities, who exerted an unusually wide and sound influence in student circles, not only in the College but throughout the country, playing a prominent part in the affairs of the National Union of Students and leading student delegations abroad.

HONOURS AND APPOINTMENTS

The 1961 New Year Honours List included a former member of the staff of the History Department, H. Beeley, on whom, as Deputy United Kingdom Representative of the U.K. Mission to the United Nations, the Order of K.C.M.G. was conferred. Shortly afterwards he was appointed British Ambassador in Cairo. Two former students also received honours: L. N. Mbanefo, Chief Justice of the Eastern Region of Nigeria, who was created a Knight Bachelor, and C. P. Thompson, Permanent Secretary in the Federal Administrative Service of the Federation of Nigeria, on whom the Order of C.M.G. was conferred.

The Queen's Birthday Honours included the conferment of a Barony on Sir Simon Marks, Honorary Fellow of the College, and Knighthoods on Sydney Barratt, also an Honorary Fellow and Chairman of the Ramsay Memorial Fellowships Trust, and on Professor Austen Bradford Hill, Fellow of the College and Professor of Medical Statistics at the London School of Hygiene and Tropical Medicine. Former students on whom honours were conferred were J. S. Rooke, Counsellor (Commercial), H.M. Embassy, Berne, who was awarded the Order of C.M.G.; and the following who received the Order of C.B.E., Dr P. W. Brand, Principal of the Christian Medical College and Hospital, Vellore, South India, S.

Mehew, County Surveyor of Derbyshire, and S. C. Sutton, Keeper of Indian Records in the Commonwealth Relations Office.

Other honours included the conferment by the Japanese Government of the Order of the Rising Sun on Professor G. C. Allen, the appointment of Lord Bossom and Sir Stewart Duke-Elder as Bailiffs Grand Cross of the Order of the Hospital of St John of Jerusalem, and the appointment of Sir Gavin de Beer as a Chevalier de la Legion d'Honneur.

New distinctions came to members of the College Committee by the appointment of the Earl of Cromer as Governor of the Bank of England, the election of Sir Bernard Waley-Cohen as Lord Mayor of London and also his promotion as Associate Knight of the Order of the Hospital of St John of Jerusalem.

Of the many important appointments and elections obtained by past and present members of the College, mention can be made of only a few.

Among Government appointments obtained by former students were those of D. M. H. Riches as Ambassador to the Congo Republic, of B. K. M. Kiwanuka as Minister without Portfolio and Leader of the House in the Uganda Government, and of Dr S. Ramgoolam as Chief Minister for Mauritius. Mr Justice J. A. Luckhoo, Puisne Judge in British Guiana, became Chief Justice of the Colony.

Major-General A. N. T. Meneces and Surgeon-Captain W. J. M. Sadler, two former Medical students of the College, were honoured by appointment as Honorary Physician and Honorary Surgeon respectively to the Queen. Her Majesty also nominated the Rt Rev. M. A. Hodson, at one time a student in the Faculty of Arts, for election as Bishop of Hereford.

Present members of the professorial staff obtaining important appointments were Professor R. Llewelyn Davies, who became a member of the Royal Fine Art Commission, and Professor Sir Harrie Massey, who was elected President of the Preparatory Commission of European Space Research Organisation.

Professor H. E. M. Barlow, Professor M. S. Bartlett, and Dr R. G. S. Hudson were elected to Fellowships of the Royal Society. Professor Dame Kathleen Lonsdale became a Vice-President of the Royal Society, and Professor Sir Christopher Ingold and Professor A. F. Huxley members of its Council, Professor Dame Kathleen Lonsdale being re-elected to the Council. Professor P. Geyl was elected a Corresponding Fellow of the British Academy, Sir Stewart Duke-Elder and Sir Harold Himsworth to Honorary Fellowships of

the Royal Society of Medicine, Professor Sir William Holford as an Associate of the Royal Academy, Professor James R. Sutherland an Honorary Member of the Modern Language Association of America, Professor A. F. Huxley to Foreign Honorary Membership of the American Academy of Arts and Sciences. Professor A. D. Momigliano was elected Socio Nazionale of the Accademia Nazionale dei Lincei, Rome, and a Corresponding Member of the Accademia delle Scienze di Torino and of Arcadia, Rome.

Professor H. C. Darby was elected President of the Institute of British Geographers for 1961, and Miss Mary Woodall became the first woman President of the Museums Association.

Honorary degrees were conferred as follows: the D.Litt. of the University of Nottingham on Professor Sir William Coldstream, the D.Sc. of the University of Manchester on Sir Stewart Duke-Elder, the D.Sc. of the University of Oxford on Professor J. B. S. Haldane, the D.Sc. of the University of Birmingham on Professor P. B. Medawar, the D.Lit. of the University of London on Professor Emeritus Sir John Neale, the D.Litt. of the University of Wales on Ceri Richards, the LL.D. of the University of Leicester on Lord Robbins, and the D.Sc. of the University of Bristol on C. Waller.

Major C. J. P. Ball was awarded the Platinum Medal of the Institute of Metals, Professor A. H. Gerrard the Silver Medal of the Royal Society of British Sculptors, Professor Sir William Holford the Gold Medal of the Town Planning Institute, Professor P. B. Medawar shared the award of the Nobel Prize for Medicine, Professor L. S. Penrose won an Albert Lasker award from the American Public Health Association, and Ceri Richards the award of the Welsh National Eisteddfod Gold Medal for fine arts.

Professor R. O. Buchanan was elected Deputy Vice-Chancellor of the University of London for 1961–62.

Sir Noel Hall became Principal of Brasenose College Oxford, and the following were appointed to University Chairs: Dr G. Aquilecchia as Professor of Italian Language and Literature in the University of Manchester, G. W. S. Barrow to the Chair of Medieval History at King's College, Newcastle upon Tyne in the University of Durham, Dr C. Elaine Field to the Chair of Paediatrics in the University of Hong Kong, Professor B. A. Fletcher to the Chair of Education and the Directorship of the Institute of Education in the University of Leeds, Professor L. W. Forster to the Schröder Professorship of German in the University of Cambridge, Dr J. Ganado as Professor of Civil Law in the University of Malta, Miss Elsa V. Goveia to the Chair of History in the University College of

the West Indies, L. C. Green to the Chair of International Law in the University of Malaya, Singapore, Dr. A. S. Parkes as Mary Marshall Professor of the Physiology of Reproduction in the University of Cambridge, Professor C. M. Robertson as Lincoln Professor of Classical Archaeology and Art in the University of Oxford, Dr A. W. Stonier to the Chair of Economics at Makerere College, Uganda, P. D. Strevens to the Chair of Contemporary English in the University of Leeds, A. Summerfield to the Chair of Psychology at Birkbeck College, A. J. Taylor to the Chair of Modern History in the University of Leeds. Dr I. C. Percival was appointed by the University of London to the Readership in Applied Mathematics tenable at Queen Mary College, and Dr D. P. Walker to the Readership in Renaissance Studies at the Warburg Institute.

Within the College, Dr O. J. L. Szemerényi was appointed by the University of London to the Chair of Comparative Philology, and the following to established Readerships: Dr E. G. Gray (Cytology), Dr L. H. Hamlyn (Histology), Dr Phyllis M. Kaberry (Anthropology) and Dr D. L. Laurence (Pharmacology and Therapeutics, tenable jointly at the College and Medical School). Titles were conferred by the University on a number of members of the academic staff. The title of Professor was conferred on Dr N. A. Barnicot (Physical Anthropology), Dr E. R. H. Ivamy (Law), Dr K. F. Roth (Mathematics), and Dr Elizabeth M. Wilkinson (German). The following were given the title of Reader: Dr E. H. Brown (Geography), I. R. Christie (Modern History), Dr R. H. Garstang (Astronomy), Dr F. F. Heymann (Physics), Dr J. Lewis (Chemistry), Dr J. W. Mullin (Chemical Engineering), E. H. Scamell (English Law) and Dr M. K. Wells (Geology).

There were various College Faculty changes at the beginning of the session: Professor James R. Sutherland became Dean of the Faculty of Arts and Professor H. C. Darby Vice-Dean; Professor E. C. Ryder Vice-Dean of the Faculty of Laws, Professor H. E. M. Barlow Dean of the Faculty of Engineering and Professor M. B. Donald Vice-Dean, and Dr H. O. Schild was appointed Vice-Dean of the Faculty of Medical Sciences.

STUDENT HEALTH ASSOCIATION

Increasing use continues to be made of the services of the Health Centre. During 1960–61 there were 12,608 medical and 5,787 dental attendances. Accommodation has been improved by the enlargement, redecoration and refurnishing of the waiting room.

The scheme for combining tuberculosis immunisation with the

visit of the mass miniature radiography unit has continued. Other preventive inoculations take place throughout the year; during the summer months this service is used extensively by many members of the College who travel abroad. The Association also continues to collaborate in the organisation of preventive measures against radiation hazards.

The sick visiting scheme run by the Chairman of the Student Health Association continued to provide, during the winter, much appreciated help for students ill in lodgings.

In addition to the preventive and therapeutic work of the service, a number of research projects are under way, aided by funds provided by the Medical Research Council.

OLD STUDENTS' ASSOCIATION

At the Annual General Meeting Dr Constance M. Rigby was re-elected President of the Association, and Dr H. K. Cameron was nominated for re-election to the College Committee.

The membership of the Association continued to grow steadily, and the increase in the number of those continuing their membership after the first year, for which the College pays the subscription, was particularly encouraging. It is, however, a cause for some concern that this increase has not affected the numbers attending the social functions.

The annual Dinner-Dance was held in February in the new Refectory. The speakers after the informal dinners were D. O. Wood, on the history of the area in which the College stands; Eric Ambrose, on John Nash and architecture since his day; and Sir Charles Fox, until recently Chairman of the Prison Commission, on the contemporary approach to the problem of crime and criminals. In addition, Professor D. B. Fry gave another in his series of concert versions of operas—*The Magic Flute*. On the evening of the Annual General Meeting there was a showing of films made recently by the College Film Society, and the final function of the year was a visit to Waddesdon Manor.

THE STUDENTS' UNION

The Union has once again had a successful year. We entered the year with a bright, shining constitution, and much to some people's amazement, it worked. The Union officials have been very grateful for the cut in routine administration which the change brought;

for the average Union member General Meetings have been more informative and have given them more interest, so that more people are now involved in the running of the Union.

Several forward strides have been made for students' welfare. The promised staff-student memorandum was produced by the Union and provoked much comment and discussion. General discussions have taken place between the Provost and the students, and detailed discussions are under way in the various departments. We hope that these will lead to greater understanding between members of the academic staff and the student body.

A temporary contribution to the accommodation problem has been made by using as student houses some properties owned by the College which will in a few years be pulled down to make way for the new Chemistry Department on the site. These houses are divided into self-contained flats in which ninety-one students are to be accommodated. They are without the supervision of a resident Warden. The idea is to supplement and reinforce rather than replace the Hall system. The Union will do all in its power to ensure the success of this scheme, and hopes that this temporary establishment will be the forerunner of many more permanent dwellings. It is worth noting that even with this scheme the College is still very far short of its declared aim of residential accommodation for not less than 1,500 students.

The Associated Societies have again been successful in their activities. The Debating team reached the semi-finals of *The Observer* Mace for the second year running. Despite this success, however, the general standard of debating in College has improved but little. We have the feeling that one of the major reasons for this is lack of a good debating chamber. Dramatic Society reached the finals of the N.U.S. Drama Festival with the unusual choice of Gorki's *Lower Depths*. They gave an extremely capable performance and were highly complimented on the production. It says much for their prowess that even at this moment of writing a group of twenty-two are on their way to Edinburgh taking a play written by one of our own students to the fringe of the Edinburgh Festival. Music Society crowned a fine year's effort by performing for the first time in this country the Polish National Opera, *Halka*. The Jazz Society won the ULU Cup again, and it was unfortunate that a car accident prevented them from competing in the Ken Collier Cup. It is generally declared that University College Jazz Band is among the Top Three student bands in the country. The Film Society are producing more and more technically proficient newsreels, and some

prestige was reflected upon the Union when they produced the highly successful and popular N.U.S. Travel Film.

On the field of sport, Central Athletics Board have expanded yet further, and have included in their clubs the long-mooted Gliding Club. Soccer, Bridge, and Tennis all won the University championships—Tennis for the second year running. Shooting, Cricket, and Sailing have provided as usual many University representatives, and also this year the University captains. Rugby, Cross Country, and Athletics, while not having won any silver, have nevertheless had a very successful season, with profitable tours. We have now developed, as we should, the habit of beating King's thoroughly in the Foundation, Commemoration, and Summer Games. Whilst there is still much to be done, we feel that this in some way reflects the improvement in College sporting standards.

At last we are doing something for charity. The newly formed Phineas Committee collected some hundreds of pounds this year for the Congo and for Youth Clubs. We hope in the coming session to give something more than financial aid to the Duke of Edinburgh's Award Scheme and to Youth Clubs. Time is one commodity which undergraduates do not always possess, but we feel that much could be done, and negotiations are under way with the possibility in view of adopting our own Youth Club.

Representation at Presidents' Council and N.U.S. Council has been very strong. This was clearly due to the work and ability of my predecessor. At N.U.S. he achieved national press coverage for our successful motion to abolish closed scholarships. Our success at Council was mirrored by the election of David Taylor to the Vice-Presidency of N.U.S.

WALTER GREAVES
President, 1961–62

THE SLADE SCHOOL OF FINE ART

There were 183 full-time students (111 men and 72 women) attending the School during the session. A hundred and forty-eight were following the Diploma course, six were post-Diploma students and the rest were following courses in the School for one year only. There were thirty-six students from overseas. These included one Fulbright Scholar and a British Council Scholar. At the annual

entrance examination held in January, 421 candidates applied for places in October 1961 and seventy-six were accepted.

The following artists apart from those on the regular staff taught periodically in the School during the session: Frank Auerbach, Rodney Burn, Josef Herman, L. S. Lowry, Evart Lundquist, John Piper, and William Scott.

In October 1960 Thorold Dickinson was appointed to the newly created post of Senior Lecturer in Film. At the same time two post-graduates were appointed to Studentships in Film of the value of £600 each for one year. Apart from the supervision of postgraduate students, the chief work of the Lecturer is to present the Film in its various aspects as a subject of study to all those in the College who are interested. During the session Mr Dickinson gave a course of weekly lectures interspersed by short films on the Development and Range of the Cinema. He also arranged for a weekly screening of full-length films and conducted a seminar when students discussed the films they had been shown.

Professor Ettlinger gave a course of lectures on Drawing, ranging from the late Antique to Ingres and Delacroix. He also gave a course of lectures on 'The Survival of the Classical Tradition', when he discussed monuments from the early middle-ages to the sixteenth century.

The following lectures were also given: 'Gericault and the Limits of Political Engagement' by M. Baxendall; 'Seurat's Drawings' by Professor R. Herbert (Yale University); 'Literary Criticism—Means and Ends' by Professor Frank Kermode; 'The Music Critic—God or Beast' by David Cairns; 'Connoisseurship and its Influence on the Arts' by Henry Roland; 'The Problem of Art Criticism' by Andrew Forge; 'Cinema: The Popular Art' by Miss Dilys Powell; and three lectures by Professor E. H. Gombrich—'Progress or Corruption', 'The Priority of Pattern', and 'The Tree of Knowledge'.

Lectures for Stage Design students were given by George Devine, Desmond Heeley, and Sean Kenny. Colin Graham set an exercise in designing sets and costumes for an opera.

Among those students who gained awards during the session were: Kenneth Lee, Abbey Major Scholarship; John Lessore, Abbey Minor Scholarship; Annabel Farquharson, Swedish Government Scholarship; G. P. Levene and Frank Beanland, Boise Scholarships for travel abroad.

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[1 OCTOBER 1960—31 JULY 1961]

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APPENDIX I

COLLEGE COMMITTEE

	*Attendances**
Chairman: The Right Hon. Lord Cohen, P.C.‡	4-7
Vice-Chairman and Treasurer: Sir Frederick James, O.B.E.‡	6–7
Professor M. Abercrombie, M.A., B.SC., F.R.S.	5–7
Professor G. C. Allen, C.B.E., M.COM., PH.D.¶	2–3
Professor H. E. M. Barlow, B.SC.(ENG.), PH.D., M.I.E.E., M.I.MECH.E., F.R.S.†¶	3–3
Professor R. E. D. Bishop, M.A., M.S., PH.D., D.SC.(ENG.), A.M.I.MECH.E., A.F.R.AE.S.§	2–4
H. K. Cameron, B.SC., PH.D.	2–7
Mrs Irene Chaplin, B.A., J.P.	5–7
The Right Hon. The Earl of Cromer§	0–4
P. Dunsheath, C.B.E., M.A., D.SC.(ENG.), D.ENG., LL.D.	5–7
Sir Ifor Evans, D.LIT.† *Provost*	7–7
Sylvester Gates, C.B.E., B.A.¶	1–1
W. Griffith, M.A.‖	3–5
David Heron, M.A., D.SC.†§	3–4
Professor A. V. Hill, C.H., O.B.E., SC.D., LL.D., D.SC., M.D., F.R.S.‡	5–7
Professor E. D. Hughes, D.SC., PH.D., F.R.I.C., F.R.S.†	7–7
Miss L. Margaret Kerly, M.A., PH.D.	5–7
Professor D. Lloyd, M.A., LL.D.	5–7
L. H. Macklin, O.B.E., M.A.	5–7
E. K. Martin, M.B., M.S., F.R.C.S.†	6–7
T. A. L. Paton, C.M.G., B.SC., M.I.C.E., M.AM.SOC.C.E.†	3–7
F. J. Stephens, M.A.‡	2–7
The Right Hon. Lord Strang, G.C.B., G.C.M.G., M.B.E., B.A., LL.D.†	4–7
Professor James R. Sutherland, M.A., B.LITT., LL.D., F.B.A.§	3–4
G. F. Vaughan, M.B., M.R.C.P., D.P.M.	3–7
The Right Hon. The Lord Mayor of London, Sir Bernard Waley-Cohen, M.A.	1–7
G. E. Walker, O.B.E., M.A.	6–7

* The two figures indicate respectively the number of times that the member attended, and the number of times that he was summoned to a meeting of the Committee during the year 1 October 1960 to 30 September 1961. ‡ Hon. Fellow of the College. † Fellow of the College. § Membership terminated before 30 September 1961. ¶ Appointed after 1 October 1960.‖ Died 21 May 1961.

APPENDIX II

PROFESSORIAL BOARD

Chairman: Sir Ifor Evans, D.LIT., Provost†

M. Abercrombie, M.A., B.SC., F.R.S., Professor of Embryology

C. W. Allen, D.SC., Perren Professor of Astronomy

G. C. Allen, C.B.E., M.COM., PH.D., Professor of Political Economy

H. C. Allen, M.C., M.A., Commonwealth Fund Professor of American History

G. F. Arnold, B.A., Lecturer in Phonetics

Ernest Baldwin, PH.D., Professor of Biochemistry

H. E. M. Barlow, B.SC.(ENG.), PH.D., M.I.E.E., M.I.MECH.E., F.R.S., Pender Professor of Electrical Engineering†

N. A. Barnicot, PH.D., Professor of Physical Anthropology

M. S. Bartlett, M.A., D.SC., F.R.S., Professor of Statistics

R. E. D. Bishop, M.A., M.S., PH.D., D.SC.(ENG.), A.M.I.MECH.E., A.F.R.AE.S., Kennedy Professor of Mechanical Engineering

F. Brailsford, B.SC.(ENG.), PH.D., M.I.E.E., Professor of Electrical Engineering

E. H. S. Burhop, B.A., M.SC., PH.D., Professor of Physics

A. B. C. Cobban, M.A., PH.D., Professor of French History

Sir William Coldstream, C.B.E., D.LITT., Slade Professor of Fine Art†

D. P. Craig, D.SC., F.R.I.C., Professor of Chemistry

H. C. Darby, O.B.E., M.A., PH.D., LITT.D., Professor of Geography

Florence N. David, D.SC., Reader in Probability and Statistics

W. R. Dean, M.A., Goldsmid Professor of Mathematics

M. B. Donald, M.SC., F.R.I.C., M.I.CHEM.E., A.R.C.S., Ramsay Memorial Professor of Chemical Engineering

G. C. Drew, M.A., Professor of Psychology

R. H. Elvery, B.SC.(ENG.), A.M.I.C.E., Lecturer in Civil and Municipal Engineering

W. B. Emery, M.B.E., M.A., D.LIT., F.B.A., F.S.A., Edwards Professor of Egyptology

L. D. Ettlinger, PH.D., Durning-Lawrence Professor of the History of Art

Daryll Forde, PH.D., Professor of Anthropology†

L. W. Forster, M.A., DR.PHIL., Professor of German

D. B. Fry, PH.D., Professor of Experimental Phonetics

A. H. Gerrard, Professor of Sculpture

R. E. Gibbs, D.SC., F.INST.P., Reader in Physics and Tutor to Science Students

J. A. B. Gray, M.A., M.B., B.CHIR., Professor of Physiology

H. Grüneberg, PH.D., M.D., D.SC., F.R.S., Professor of Genetics

J. Hamilton, M.A., M.SC., PH.D., Professor of Physics

S. N. Hampshire, M.A., F.B.A., Grote Professor of Philosophy of Mind and Logic

Sir William Holford, M.A., D.C.L., P.R.I.B.A., M.T.P.I., F.I.L.A., A.R.A., Professor of Town Planning

† Fellow of the College.

S. E. Hollingworth, M.A., D.SC., Yates-Goldsmid Professor of Geology

E. D. Hughes, D.SC., PH.D., F.R.I.C., F.R.S., Professor of Chemistry†

R. A. Humphreys, O.B.E., M.A., PH.D., Professor of Latin American History

J. Hurstfield, B.A., Professor of Modern History

A. F. Huxley, M.A., F.R.S., Jodrell Professor of Physiology

Sir Christopher Ingold, D.SC., F.R.S., Professor of Chemistry

Raymond Irwin, M.A., F.L.A., Professor of Library Studies and Director of the School of Librarianship & Archives

E. R. H. Ivamy, PH.D., Professor of Law

B. Katz, M.D., PH.D., D.SC., F.R.S., Professor of Biophysics†

G. W. Keeton, M.A., LL.D., Professor of English Law

L. Margaret Kerly, M.A., PH.D., Reader in Biochemistry

D. Lewis, D.SC., F.R.S., Quain Professor of Botany

R. Llewelyn Davies, M.A., F.R.I.B.A., Professor of Architecture

D. Lloyd, M.A., LL.D., Quain Professor of Jurisprudence

Dame Kathleen Lonsdale, D.B.E., D.SC., F.R.S., Professor of Chemistry†

A. Maccoll, D.SC., PH.D., Reader in Chemistry

D. McKie, D.SC., PH.D., F.R.I.C., F.R.S.E., Professor of History and Philosophy of Science†

R. D. McLellan, PH.D., Senior Tutor and Senior Lecturer in Greek and Latin

H. Marriott, B.ENG., B.SC.(ECON.), M.I.E.E., Senior Lecturer in Electrical Engineering

Sir Harrie Massey, D.SC., PH.D., F.R.S., Quain Professor of Physics

P. B. Medawar, C.B.E., M.A., D.SC., D. DE L'UNIV., F.R.S., Jodrell Professor of Zoology and Comparative Anatomy

A. D. Momigliano, M.A., D.LITT., F.B.A., Professor of Ancient History

R. S. Nyholm, D.SC., F.R.I.C., F.R.S., Professor of Chemistry†

L. S. Penrose, M.A., M.D., D.SC., M.R.C.S., L.R.C.P., F.R.S., Galton Professor of Eugenics

R. Powell, D.C.L., Professor of Roman Law

Randolph Quirk, M.A., PH.D., Professor of English Language

Constance M. Rigby, M.A., PH.D., Lecturer in Mathematics

C. M. Robertson, M.A., Yates Professor of Classical Art and Archaeology

C. A. Rogers, D.SC., F.R.S., Astor Professor of Mathematics

K. F. Roth, B.A., M.SC., PH.D., F.R.S., Professor of Mathematics

E. C. Ryder, M.A., LL.B., Professor of English Law

J. W. Scott, B.A., A.L.A., Librarian

O. Skutsch, DR.PHIL., Professor of Latin

A. H. Smith, O.B.E., R.N.O., R.F., PH.D., D.LIT., F.S.A., Quain Professor of English Language and Literature

S. Stein, PH.D., Reader in Hebrew

James R. Sutherland, M.A., B.LITT., LL.D., F.B.A., Lord Northcliffe Professor of Modern English Literature

† Fellow of the College.

O. J. L. Szemerényi, DR.PHIL., Professor of Comparative Philology
A. J. Taylor, M.A., Lecturer in History
E. H. Thompson, O.B.E., B.A., F.R.I.C.S., Professor of Surveying & Photogrammetry
M. A. Thomson, M.A., D.PHIL., Astor Professor of English History*
E. G. Turner, M.A., F.B.A., Professor of Papyrology
T. B. L. Webster, M.A., LITT.D., F.S.A., HON.R.A., Professor of Greek
R. Weiss, B.A., Professor of Italian
G. P. Wells, M.A., SC.D., F.R.S., Professor of Zoology
D. J. B. White, PH.D., Senior Lecturer in Botany
Elizabeth M. Wilkinson, PH.D., Professor of German
F. R. Winton, M.A., M.D., D.SC., Professor of Pharmacology
B. Woledge, M.A., D. DE L'UNIV., Fielden Professor of French Language and Literature
J. Z. Young, M.A., D.SC., F.R.S., Professor of Anatomy

*Died 4 January 1962

APPENDIX III

HONORARY FELLOW AND FELLOWS

The following elections were made in 1961:

HONORARY FELLOW

The Right Honourable Lord Robbins, C.B., Professor of Economics, London School of Economics.

FELLOWS

Dr Ryotaro Azuma, Governor of Tokyo Metropolis.
Dr Sudhi Ranjan Das, Vice-Chancellor of Visva-Bharati University at Santiniketan, India.
Sir William Hudson, K.B.E., Commissioner, Snowy Mountains Hydro-Electric Authority, Australia.
Professor John Ivor Pulsford James, George Harrison Law Professor of Orthopaedic Surgery, University of Edinburgh.
Mr Philip Brutton James, C.B.E., Secretary and Editor, The Museums Association; formerly Director of Art, Arts Council of Great Britain.
Professor Bernhard Katz, F.R.S., Professor of Biophysics and Head of Department, University College London.
Mr Harry Sacher, Director of Marks and Spencer Limited.
Sir Richard Gordon Turnbull, K.C.M.G., Governor and Commander-in-Chief, Tanganyika.
Mr Cyril Maynard Wright, Personnel Director, Imperial Chemical Industries Limited.

APPENDIX IV

RECOGNITION OF TEACHERS

The following members of the academic staff have been granted, during the academic year 1960–61, Full Recognition as Teachers of the University in the subjects and in the University Faculties indicated:

Arnold, G. F.	Phonetics	Arts
Audley, R. J.	Psychology	Arts and Science
Barbour, K. M.	Geography	Arts and Science
Barnard, J. A.	Chemical Technology	Engineering
Bellairs, M. Ruth	Embryology	Medicine and Science
Brent, L.	Zoology	Science
Chaloner, W. G.	Botany	Science
Dixon, N. F.	Psychology	Arts and Science
Few, L.	Mathematics	Arts and Science
Glyn Jones, W.	Danish	Arts
Green, R. T.	Psychology	Arts and Science
Hargrove, B.	Law	Laws
Hocking, L. M.	Mathematics	Arts and Science
Johnson, J. H.	Geography	Arts and Science
Kemp, P. H.	Civil Engineering	Engineering
King, C. D.	French	Arts
Morris, J. R.	Ancient History	Arts
Parkinson, F.	International Relations	Economics
Peake, C. H.	English	Arts
Prince, H. C.	Geography	Arts and Science
Sinnhuber, K. A.	Geography	Arts and Science
Steinberg, Hannah	Pharmacology	Medicine and Science
Stephenson, I. M.	Electrical Engineering	Engineering
Williams, B. A. O.	Philosophy	Arts

APPENDIX V

PRINCIPAL CHANGES IN THE ACADEMIC STAFF

FACULTY OF ARTS

ANTHROPOLOGY

Appointment: R. L. Wishlade, B.A. (Research Assistant), from King's College, Newcastle-upon-Tyne.

Resignations: W. R. G. Horton, B.A. (Assistant Lecturer), appointed Honorary Research Assistant in Department.
D. P. M. Morton-Williams, B.SC. (Research Assistant).

Death: Mrs Marian W. Smith, M.A., PH.D. (Honorary Research Associate).

ARCHAEOLOGY

Resignation: C. M. Robertson, M.A. (Yates Professor of Classical Art and Archaeology), to Lincoln Chair of Classical Archaeology and Art in the University of Oxford.

ARCHITECTURE

Appointments: R. Llewelyn Davies, M.A., F.R.I.B.A. (Professor of Architecture), formerly Director, Division for Architectural Studies, Nuffield Foundation.
J. Musgrove, B.ARCH., A.R.I.B.A. (Senior Lecturer), from Division for Architectural Studies, Nuffield Foundation.
N. Watson, B.ARCH., A.R.I.B.A. (Lecturer), from School of Architecture and Building, Northern Polytechnic.
J. R. Weeks, A.A.DIPL., A.R.I.B.A. (Part-time Lecturer), private practice.

Resignation: J. R. Stammers, B.A., F.R.I.B.A. (Part-time Lecturer).

COMPARATIVE PHILOLOGY

Appointment: O. J. L. Szemerényi, DR.PHIL. (Professor of Comparative Philology), previously Reader in Greek at Bedford College and Visiting Lecturer at University College London.

ENGLISH LANGUAGE AND LITERATURE

Appointments: Randolph Quirk, M.A., PH.D. (Professor of English Language), formerly Professor of English Language in the University of Durham.
V. G. Watson, B.A. (Assistant), formerly student in Department.

FINE ARTS

Appointment: T. Dickinson, B.A. (Senior Lecturer), from United Nations Organisation.

Resignations: F. J. H. Haskell, M.A. (Part-time Assistant).
Ceri Richards, C.B.E., D.LITT. (Part-time Assistant).

FRENCH

Resignations: Dora Starke, M.A. (Lecturer).
D. P. Walker, D.PHIL. (Reader), to Readership in Renaissance Studies at the Warburg Institute.

GEOGRAPHY

Appointments: E. C. F. Bird, M.SC., PH.D. (Lecturer), from King's College, London.

Professor A. H. Clark, M.A., PH.D. (Honorary Research Associate), of the Department of Geography at University of Wisconsin.

R. G. Ward, M.A. (Lecturer), from Auckland University College.

Resignation: J. C. Crossley, M.A. (Leverhulme Lecturer), to University of Leicester.

GERMAN

Resignation: L. W. Forster, M.A., DR.PHIL. (Professor of German), to Schröder Chair of German in the University of Cambridge.

GREEK

Appointment: Professor S. Davies, M.A., D.LITT. (Honorary Research Associate), Professor of Classics in the University of the Witwatersrand.

HEBREW

Appointment: Rev. Dr J. W. Parkes, M.A., D.PHIL., HON.D.H.L. (Honorary Research Associate), Director of the Parkes Library.

HISTORY

Appointment: J. H. Burns, M.A., PH.D. (Reader in the History of Political Thought), from Department of Politics in the University of Aberdeen.

Resignations: G. W. S. Barrow, M.A., B.LITT. (Lecturer), to Chair of Medieval History in the University of Durham (King's College).

J. A. Robson, M.A., PH.D. (Leverhulme Assistant Lecturer), to Foreign Office.

A. J. Taylor, M.A. (Lecturer), to Chair of Modern History in the University of Leeds.

ITALIAN

Resignation: G. Aquilecchia, DOTT.LETT. (Reader), to Chair of Italian in the University of Manchester.

LIBRARIANSHIP AND ARCHIVES

Resignation: J. H. P. Pafford, (Part-time Lecturer).

PHONETICS

Appointment: A. J. Fourcin, B.SC.(ENG.), PH.D. (Lecturer), from Ministry of Supply.

POLITICAL ECONOMY

Resignations: B. F. Mogridge, B.A. (Research Assistant).

A. W. Stonier, M.A., D.PHIL. (Senior Lecturer), to Chair of Economics at Makerere College, Uganda.

SCANDINAVIAN STUDIES

Appointment: Professor T. Knudsen (Visiting Professor), from University of Oslo.

FACULTY OF LAWS

Appointments: M. A. Millner, B.A., LL.B., B.C.L. (Reader in English Law), from Queen's University of Belfast.

E. C. Ryder, M.A., LL.B. (Professor of English Law), from the University of Durham (King's College).

Resignation: L. C. Green, LL.B. (Lecturer), to Chair of International Law in the University of Malaya.

FACULTY OF SCIENCE

ASTRONOMY

Appointment: D. McNally, M.SC. (Assistant Lecturer), from Royal Holloway College.

BOTANY

Appointments: J. W. Cowan, B.SC. (Research Assistant), from Queen Mary College.

Professor G. E. Fogg, B.SC., PH.D. (Honorary Research Associate), Professor of Botany at Westfield College, previously Reader in Botany in Department.

E. Hase, D.SC. (Honorary Research Associate), from University of Tokyo.

Patricia M. Lievesley, B.SC. (Research Assistant), from National Vegetable Research Station.

Resignation: R. S. Clymo, B.SC. (Assistant Lecturer), to Westfield College.

CHEMISTRY

Appointments: D. V. Banthorpe, PH.D. (Lecturer), previously held Research Fellowship in Department.

R. E. Cooper, PH.D. (Assistant Lecturer), previously Temporary Assistant Lecturer in Department.

Retirement: Sir Christopher Ingold, D.SC., F.R.S. (Professor of Chemistry), appointed Special Lecturer in Department.

GEOLOGY

Appointment: D. Skevington, B.SC. (Assistant Lecturer), from University of Cambridge.

HISTORY AND PHILOSOPHY OF SCIENCE

Appointment: M. S. Finlay, B.S., M.A. (Assistant Lecturer), from University of Toronto.

MATHEMATICS

Appointment: Professor E. S. Pearson, C.B.E., M.A., D.SC. (Honorary Research Associate), Professor Emeritus of Statistics.

Resignation: J. D. Murray, PH.D. (Lecturer), to Hertford College, Oxford.

PHYSICS

Appointments: D. G. Davis, PH.D. (Lecturer), previously Honorary Research Assistant in Department.

J. Hamilton, M.A., M.SC., PH.D. (Professor of Physics), from Christ's College, Cambridge.

F. R. Stannard, PH.D. (Lecturer), previously Honorary Research Assistant in Department.

Resignations: W. B. Lasich, M.SC., PH.D. (Lecturer), returning to Australia.
I. C. Percival, PH.D. (Lecturer), to Readership in Applied Mathematics at Queen Mary College.

Retirement: D. O. Wood, M.SC., A.R.C.S., F.INST.P. (Part-time Lecturer).

PSYCHOLOGY

Appointments: J. L. de C. Downer, M.SC., PH.D. (Honorary Research Associate, also Anatomy & Embryology), from Harvard Medical School.
Professor G. P. Mason, (Honorary Research Associate), from Department of Psychology at Victoria College, British Columbia.

Resignations: R. B. Buzzard, B.M., B.CH. (Honorary Research Associate), to National Institute of Industrial Psychology.
A. Summerfield, B.SC. (Lecturer), to Chair of Psychology at Birkbeck College.

STATISTICS

Appointment: M. S. Bartlett, M.A., D.SC. (Professor of Statistics), from University of Manchester.

ZOOLOGY AND COMPARATIVE ANATOMY

Appointments: Jennifer J. Dee, B.SC. (Assistant Lecturer), from University of Glasgow.
Mrs Francis Mussett, B.SC. (Research Assistant), previously Part-time Research Assistant in Department.
F. B. O'Connor, PH.D. (Lecturer), from Trinity College, Dublin.

Resignations: D. M. Ross, M.A., PH.D. (Lecturer), to Chair of Zoology in the University of Alberta.
J. P. Stevenson, PH.D. (Lecturer), to Department of Bacteriology, University College Hospital Medical School.

FACULTY OF ENGINEERING

CIVIL AND MUNICIPAL ENGINEERING

Appointments: R. Brain, M.ENG., A.M.I.C.E., A.M.I.MUN.E. (Lecturer), from Northampton College of Advanced Technology.
S. P. Christodoulides, B.SC.(ENG), PH.D., A.M.I.C.E. (Lecturer), from industry.
A. C. Jenner, A.R.I.C.S. (Assistant), previously Departmental Assistant in Department.

Retirement: P. L. Capper, T.D., M.SC.(ENG.), M.I.STRUCT.E., A.M.I.C.E. (Special Lecturer).

MECHANICAL ENGINEERING

Appointments: R. Collins, B.SC.(ENG.) (Lecturer), from U.K. Atomic Energy Authority, Harwell.
R. M. Davies, B.A.SC., M.S. (Lecturer), from University of Waterloo, Ontario.
W. J. D. Jones, B.SC.(ENG.), A.R.S.M. (Lecturer), from Department of Metallurgy, Imperial College of Science and Technology.

Resignation: H. K. Weiss, M.E., DIPL.ING., A.M.I.E.AUST, (Honorary Research Associate).

ELECTRICAL ENGINEERING

Appointments: R. L. Smith-Rose, C.B.E., D.SC., PH.D., F.C.G.I., M.I.E.E., F.I.R.E. (Honorary Research Associate), formerly Director of Radio Research, Department of Scientific and Industrial Research.

L. M. Stephenson, B.SC.(ENG.), PH.D. (Lecturer), from University of Leeds.

Death: G. Parr, M.I.E.E. (Part-time Lecturer).

CHEMICAL ENGINEERING

Resignation: Professor A. N. Hixson, PH.D. (Honorary Research Associate), of the University of Pennsylvania.

FACULTY OF MEDICAL SCIENCES

ANATOMY AND EMBRYOLOGY

Appointments: Mrs. M. Ruth Bellairs, PH.D. (Lecturer), from St Bartholomew's Hospital Medical College.

B. G. Cragg, M.A., PH.D. (Honorary Research Associate), previously Honorary Research Assistant in Department.

J. L. de C. Downer, M.SC., PH.D. (Honorary Research Associate, also Psychology), from Harvard Medical School.

D. I. R. Higton, M.B., B.S., M.R.C.S., L.R.C.P. (Assistant Lecturer), from King's College Hospital.

J. S. P. Lumley, M.B., B.S., M.R.C.S., L.R.C.P. (Assistant Lecturer), from Barnet General Hospital.

B. C. Macgregor Williamson, M.B., B.S. (Assistant Lecturer), from Tilbury Hospital.

Mrs Elsie M. Stephenson, M.SC., PH.D. (Honorary Research Associate), from University of New South Wales.

Resignations: C. A. C. Charlton, M.B., B.S. (Assistant Lecturer), to Barnet General Hospital.

H. J. L. Francis, B.SC., M.B., B.S. (Assistant Lecturer), to Maudsley Hospital and the Institute of Psychiatry.

M. Kidd, B.SC., M.B., B.S. (Assistant Lecturer), to Maida Vale Hospital.

J. D. Robertson, PH.D., B.S., M.D. (Honorary Research Associate).

PHARMACOLOGY

Retirement: F. R. Winton, M.A., M.D., D.SC. (Professor of Pharmacology).

PHYSIOLOGY

Appointments: K. Diete-Spiff, B.SC., M.R.C.S., L.R.C.P. (Sharpey Scholar), previously Honorary Research Assistant in Department.

A. F. Huxley, M.A., F.R.S. (Jodrell Professor of Physiology), from Physiological Laboratory, University of Cambridge.

Resignations: K. A. P. Edman, M.D. (Honorary Research Associate), returning to Sweden.

D. W. Grieve, M.SC. (Assistant Lecturer), to appointment with Medical Research Council.

O. F. Hutter, (Lecturer), to National Institute for Medical Research; appointed Honorary Lecturer in Department.

APPENDIX VI

PUBLIC LECTURES

ENDOWED LECTURES

BARLOW LECTURES

Professor C. Dionisotti, Bedford College: 'Dante and the Italian Renaissance' (three lectures)

COMMONWEALTH FUND LECTURES

Professor John R. Alden, Duke University: 'The American Revolution' (eight lectures)

LORD NORTHCLIFFE LECTURES IN LITERATURE

Professor Richmond Lattimore, Bryn Mawr College, Pennsylvania: 'Forms and Ideas in Greek Tragedy' (four lectures)

RICKMAN GODLEE LECTURE

Professor Sir Solly Zuckerman, Birmingham: 'The Social Function of Science—1960'

SETON MEMORIAL LECTURE

Mr Charles Mitchell, Warburg Institute: 'The "Life of St Francis" in the Upper Church at Assisi'

INAUGURAL LECTURES

Professor M. S. Bartlett, Professor of Statistics: 'Probability, Statistics and Time'
Professor E. H. S. Burhop, Professor of Physics: 'The Techniques of High Energy Physics'
Professor L. D. Ettlinger, Durning-Lawrence Professor of the History of Art: 'Art History Today'
Professor J. Hamilton, Professor of Physics: 'Advances in Elementary Particle Physics'
Professor Stuart Hampshire, Grote Professor of Philosophy of Mind and Logic: 'Feeling and Expression'
Professor A. F. Huxley, Jodrell Professor of Physiology: 'Theories of Muscular Contraction: A Historical Survey'
Professor Richard Llewelyn Davies, Professor of Architecture: 'The Education of an Architect'
Professor Randolph Quirk, Professor of English Language: 'The Study of the Mother-Tongue'
Professor E. C. Ryder, Professor of English Law: 'Reflections on the Construction of Wills'

LUNCH-HOUR LECTURES

Professor C. W. Allen: 'Eclipses of the Sun'
Professor H. C. Allen: 'The American Civil War and the Western World'
Dr A. Armitage: 'Some Observatories and Observers of the Seventeenth Century'
Mr B. C. Brookes: 'A Philosophy of Applied Science'
Mr A. Brown: 'Kalendars, Almanacks, and Prognostications'

Dr J. H. Callomon: 'The Danish East Greenland Expeditions, 1957–58'
Mr J. Chalker: '"Virtue Rewarded": the sexual theme in Richardson's *Pamela*'
Dr W. G. Chaloner: 'Wandering Continents and Fixed Ideas: a discussion of the evidence for continental movement'
Professor A. B. C. Cobban: 'Contemporary French Politics and their Historical Background'
Miss Audrey G. Donnithorne: 'China's Economic Development'
Professor L. D. Ettlinger: 'Self-Portraits'
Dr C. Fahy: 'Ippolito Nievo, Novelist of the Risorgimento'
Professor L. W. Forster: 'Poetry of Significant Nonsense'
Mr R. A. French: 'Russian Rivers in the Service of Man'
Mr E. W. Handley: 'Menander and the *Dyskolos*'
Dr H. F. Hoar: 'Bavarian Baroque Churches'
Mr W. R. G. Horton: 'Gods as Guests: ritual drama in a West African tribe'
Dr H. Kalmus: 'The Biology of Fighting'
Mr L. B. Keeble: 'Post-War Town Planning: successes and failures'
Dr K. A. Kermack: 'Fossils from Fissures'
Dr J. R. Morris: 'Socialist Thought in Late Roman Britain'
Mr J. H. P. Pafford: 'Literary Forgers and Forgeries'
Mr F. Parkinson: 'Disarmament: problems and prospects'
Mr C. H. Peake: 'Thackeray's Waterloo'
Professor C. M. Robertson: 'The Parthenon Frieze'
Dr W. A. Smeaton: 'Science and Politics during the French Revolution'
Mr. T. Stöverud: 'Aspects of Post-war Norwegian Literature'
Dr F. C. Webb: 'Useful Micro-organisms'
Mr J. G. Weiss: 'Individualism in Late Jewish Sectarian Piety'
Mr B. A. O. Williams: 'God's Existence and the Argument from Design'
Professor B. Woledge: 'Kippers sur Toast: some reflections on Anglo-French linguistic exchange'
Mr R. A. Wollheim: 'Immortality'

LECTURES ARRANGED BY COLLEGE DEPARTMENTS

This list includes only those lectures given by visiting lecturers or by honorary members of the staff.

BIOCHEMISTRY

Dr A. M. Michelson, Arthur Guinness, Son & Co., Dublin: 'Nucleotide Anhydrides and Oligonucleotides' (two lectures)
Professor R. A. Morton, Liverpool: 'Ubiquinones and Related Substances: Nature and Biological Functions' (two lectures)
Professor A. Neuberger, St. Mary's Hospital Medical School: 'The Biosynthesis of Porphyrins and Chlorophylls' (two lectures)
Dr Severo Ochoa, New York University School of Medicine: 'Propionic Acid Metabolism in Animal Tissues'
Dr W. J. Whelan, Lister Institute of Preventive Medicine: 'Recent Advances in the Chemistry and Biochemistry of Glycogen and Starch' (two lectures)
Dr V. P. Whittaker, Institute of Animal Physiology, Babraham: 'The Subcellular Localisation of Neurohormonal Agents' (two lectures)

ELECTRICAL ENGINEERING

Series of lectures on 'Generation of Electricity without the use of Rotating Machinery':

Dr K. H. Spring, Central Electricity Generating Board: 'Introductory Survey'

Dr A. B. Hart, Central Electricity Generating Board: 'The Fuel Cell'

Mr D. T. Swift-Hook, Central Electricity Generating Board: 'Magnetohydrodynamic Generation'

Professor D. A. Wright, Durham: 'Thermoelectric Generation'

LAWS

Dr S. J. Stoljar, Australian National University, Canberra: 'More Thinking on Law and Morals'

PHARMACOLOGY

Professor P. Bálint, Budapest: 'The Reliability of Clearance Tests in the Evaluation of Renal Blood Flow'

Professor F. Bergel: 'Biochemistry and Biology of Enzymes in Cancer'

Professor W. Feldberg: 'Mediators of Allergic Reactions'

Professor J. H. Gaddum: 'The Pharmacological Analysis of Tissue Extracts'

Professor K. Kramer, Göttingen: 'Renal Blood Flow in relation to the Counter Current System'

Dr G. P. Lewis, National Institute for Medical Research: 'Bradykinin—its Chemistry, Pharmacology, and role in Physiological and Pathological Reactions'

APPENDIX VII

NUMBER OF STUDENTS, SESSION 1960–61

Faculty of Arts:	*Undergraduates*	*Postgraduates*	*Totals*
(*a*) General	898 (278)	231 (81)	1129 (359)
(*b*) Department of Political Economy	126 (2)	13 (1)	139 (3)
(*c*) Slade School of Fine Art	196 (34)	21 (—)	217 (34)
(*d*) Bartlett School of Architecture	134 (4)	3 (2)	137 (6)
(*e*) Department of Town Planning	32 (32)	100 (100)	132 (132)
(*f*) School of Librarianship and Archives	11 (10)	55 (13)	66 (23)
Faculty of Science	676 (7)	389 (107)	1065 (114)
Faculty of Medical Sciences	170 (3)	10* (—)	180 (3)
Faculty of Engineering	207 (14)	93 (13)	300 (27)
Faculty of Laws	337 (82)	133 (50)	470 (132)
	2,787 (466)	1,048 (367)	3,835 (833)

* This figure excludes 47 full-time and 6 part-time postgraduate students working in Departments in the Faculty of Medical Sciences who were registered in the University Faculty of Science.

The figures in brackets indicate the number of part-time students which is included in the total under each head.

APPENDIX VIII

GEOGRAPHICAL DISTRIBUTION OF STUDENTS, SESSION 1960–61

	Under-graduates	*Post-graduates*	*Totals*
UNITED KINGDOM			
London	296	162	458
Home Counties (30-mile radius)	706	262	968
Remainder of United Kingdom	1,324	235	1,559
BRITISH COMMONWEALTH OF NATIONS			
Australia	10	22	32
Canada	4	44	48
Ceylon	10	11	21
Ghana	16	4	20
Hong Kong	13	7	20
India	20	65	85
Malaya	9	4	13
New Zealand	3	8	11
Nigeria	61	12	73
Pakistan	12	20	32
Rhodesia & Nyasaland	5	6	11
West Indian Federation	8	3	11
13 Other Countries	46	18	64
OTHER PARTS OF THE WORLD			
Egypt	9	20	29
France	35	–	35
Germany	24	7	31
Greece	6	6	12
Iraq	2	15	17
Israel	9	6	15
Netherlands	11	2	13
Spain	6	5	11
Sweden	15	–	15
U.S.A.	37	38	75
50 Other Countries	90	66	156
Total	2,787	1,048	3,835

SUMMARY

United Kingdom	2,985
British Commonwealth of Nations	441
Other Parts of the World	409
	3,835

APPENDIX IX

APPLICATIONS AND ADMISSIONS
SESSION 1960–61
FIRST DEGREE AND FIRST DIPLOMA STUDENTS

	Applicants for Admission	*Students Admitted October* 1960
FACULTY OF ARTS		
B.A. Honours		
Anthropology	16	6
English	475	42
French	434	29
Geography	163	28
German	181	22
Greek and Latin	104	16
Hebrew	6	5
History	362	33
Italian	17	6
*Mathematics	—	—
Philosophy	20	6
Philosophy and Economics	27	3
Philosophy and Psychology	24	2
Psychology	70	11
Scandinavian Languages	5	1
	1,904	210
B.Sc.(Econ.)	757	47
University Diploma in Fine Art	363	53
B.A. Honours in Architecture	117	8
B.Sc. (Architecture) Degree		4
Diploma in Architecture		2
Certificate in Decoration	12	6
	129	20
FACULTY OF SCIENCE		
B.Sc.(Special)		
Anthropology	12	5
Astronomy	24	6
Biochemistry	64	18
Botany	104	12

* Included in figures for Mathematics under Faculty of Science.

	Applicants for Admission	*Students Admitted October* 1960
Chemistry	631	48
Geography	84	13
Geology	133	10
Mathematics	431	30
Physics	636	47
Physiology	37	11
Psychology	75	11
Statistics	44	15
Zoology	239	11
	2,514	237

FACULTY OF LAWS

LL.B.	471	88

FACULTY OF ENGINEERING

B.Sc.(Eng.)

Chemical Engineering	201	17
Civil and Municipal Engineering	335	19
Electrical Engineering	275	17
Mechanical Engineering	277	15
	1,088	68

FACULTY OF MEDICAL SCIENCES

2nd Examination for Medical Degrees ..	813	67
2nd Examination for Dental Degrees ..	272	25
	1,085	92
Total	8,311	815

APPENDIX X

UNIVERSITY HONOURS

HIGHER DEGREES

FACULTY OF ARTS

Ph.D. *Anthropology:* J. P. Garlick, Rosemary L. Harris. *Archaeology:* Elizabeth B. French. *Architecture:* A. D. Richards. *Egyptology:* F. J. Giles. *English:* P. A. Fiore, Jennie Huie, J. P. Hulcoop, Padmini Nair. *French:* Janina W. Felix, Marguerite M. L'Hoste, Norma S. Rinsler. *Geography:* J. L. M. Gulley. *Hebrew:* J. G. Weiss. *History:* B. F. Hamilton. *Philosophy:* G. Seaborn Jones. *Psychology:* S. Holzman, K. Rogers. [18]

M.A. *English:* G. Aldis, P. R. Allen, Christine E. Fell, E. F. Theodossin. *General Linguistics and Phonetics:* Ceinwen A. Thomas. *Geography:* J. Chapman, D. W. Gramolt, M. C. Naish, M. R. Postgate. *History:* Natalie K. A. Rothstein. [10]

FACULTY OF ECONOMICS

M.Sc. J. A. Aczel, R. S. Bhonsale. [2]

FACULTY OF LAWS

LL.M. D. K. Afreh, H. P. Connell, W. C. Daniels, S. Goli, W. V. Herbert, V. Krishnadasan, P. M. Mbanefo, Laura M. Mulchansingh, M. Odje, *S. S. Z. Rahman, Khadij S. S. Saeed, R. Singh. [12]

FACULTY OF SCIENCE

D.Sc. *Chemistry:* R. J. Reed, C. A. Vernon, J. B. Willis. *Geophysics:* J. J. Jacobs. *Mathematics:* D. Borwein, G. L. Watson. *Physics:* L. R. B. Elton. *Statistics:* G. E. P. Box. *Zoology:* J. B. Goodey, G. L. Underwood. [10]

Ph.D. *Anatomy and Embryology:* D. E. B. Chaytor. *Astronomy:* J. B. Tatum. *Biochemistry:* Dorothy E. Findlay, D. B. Gammack, D. Gilbert, M. Kelly, C. A. Ross, *G. F. Rowland, A. Sarkar, D. Y'L. Wang, D. C. Watts. *Botany:* P. J. Casselton, R. S. Clymo, R. O. D. Dixon. *Chemistry:* C. G. Barraclough, B. C. Challis, R. J. H. Clark, M. W. Fuller, D. G. Hare, N. V. Klassen, F. E. Mabbs, D. J. Machin, E. Moore, G. K. Narayana Reddy, L. Roubinek, Diona H. Russell, T. Thirunamachandran, G. Topping, D. Whittaker, D. L. H. Williams. *Chemical Engineering:* J. H. Bowen. *Crystallography:* J. D. Forrester. *Geology:* M. Holmes, Jane M. Pallot. *Mathematics:* J. M. Hurst, Maung Ba Kyi. *Pharmacology:* R. A. Webster. *Physics:* M. J. Beniston, A. Boksenberg, F. D. A. Boylett, J. B. Davies, L. R. Day, D. M. Duparc, B. R. Easlea, P. Gill, K. V. Gopala Krishna, K. A. Pounds, R. E. Rand, A. L. Read, A. S. Whiteman. *Physiology:* Christine J. Kibel. *Psychology:* H. C. A. Dale, R. A. M. Gregson. *Statistics:* D. C. Alonzo, K. A. J. Crawford, C. F. Crouse, D. H. Young. *Zoology:* *C. Patterson. [58]

* Also registered at another Institution.

M.Sc. *Biochemistry:* B. C. Cheung Lap Shun. *Botany:* A. H. Zafar. *Genetics:* Kusum P. Lele. *Geography:* Elizabeth D. R. Burrell, Julien S. Gardiner. *History and Philosophy of Science:* J. C. Cain, J. Dolan, A. A. L. Tarnowski. *Mathematics:* M. J. E. Knowlden, A. G. Parkinson, B. J. Wilson. *Microbiology:* A. D. Boniface. *Physics:* C. N. Davies, P. Davis, P. H. Hargrave, D. G. Thompson, J. A. Tully. *Physiology:* D. B. A. Symons. *Statistics:* N. D. Desai, J. V. Rosenhead. [20]

FACULTY OF ENGINEERING

Ph.D. *Chemical:* P. Hawtin, N. Karayannis, C. Morris, D. J. Wilson. *Civil:* A. J. Barrett, E. P. Evans. *Electrical:* Z. H. M. Abu-Eid, P. Denes, V. R. Mazza. *Mechanical:* R. Ahmad. [10]

M.Sc. *Civil:* S. Comuri. *Electrical:* R. Koike. [2]

FACULTY OF MEDICINE

Ph.D. *Physiology:* K. D. Bhoola. [1]

UNIVERSITY POSTGRADUATE STUDENTSHIPS

Anthropology: C. J. Jolly. *Chemistry:* K. S. Buckton, K. A. R. Mitchell. *Engineering:* E. N. Reynolds. *French:* G. V. Banks, Christine H. M. Horton. *Geography:* A. R. H. Baker. *Hebrew:* I. Jacobs. *Laws:* F. J. J. Cadwallader. *Philosophy:* A. D. N. C. Davies. *Physics:* G. C. Oades. *Psychology:* Jennifer H. M. Jessup, C. P. Wallis.

UNIVERSITY STUDENTSHIPS

Anatomy: R. D. Lund. *Chemistry* (*Neil Arnott Studentship*): M. R. Philpott. *Classics:* Margaret M. McCormick. *Economics:* E. Rahim. *Engineering:* B. E. Rance. *English:* Isabel B. Hellewell. *Fine Art:* Barbara J. Everitt. *French:* B. Kite. *Hebrew:* A. Rubin. *Psychology:* I. Abramov.

OTHER AWARDS

Sir William Dunn Studentship (*Anatomy*): T. I. Wagstaff. *University Postgraduate Travelling Studentship:* V. Reynolds.

APPENDIX XI

COLLEGE AWARDS TO STUDENTS

I.—ENTRANCE SCHOLARSHIPS

Andrews Scholarships.—Arts: Naomi A. Claff, Hasmonean School, Hendon. *Classics:* No award. *Science:* H. Osborn, St. Bartholomew's School, Newbury.

Bartlett Exhibitions in Architecture.—R. A. Darke, Cheltenham College of Art; R. G. Stott, Torquay Grammar School.

Goldsmid Scholarships.—Science: A. W. Norton, Brighton, Hove and Sussex Grammar School. *Engineering:* P. T. Wooding, Wellingborough Grammar School.

Librarianship Exhibitions.—E. Cutter, University of Durham.

Rosa Morison Scholarship (*Arts*).—Marian Warburton, Watford Grammar School.

Alfred W. Rich Scholarship (*Fine Art*).—Belinda E. R. W. Smart, Gipsy Hill Training College.

Slade Entrance Scholarship.—Jean Grant, Guildford School of Art and Hornsey College of Art.

II.—OTHER SCHOLARSHIPS AND DISTINCTIONS

Anatomy Class Prizes.—Medical: M. W. Fidler. *Dental:* S. T. Robinson.

Anatomy and Physiology (*B.Sc. Degree*) *Exhibitions.—Anatomy:* A. J. Atkinson; T. I. Wagstaff; Barbara A. Woodyatt. *Physiology:* A. T. Axford; A. M. Emmerson; P. J. Hollins; J. M. Mullin; K. A. Tonge.

Anatomy and Physiology (*B.Sc. Degree*) *Scholarships.—Anatomy:* Janet Wheeler. *Physiology:* Laura E. Crook; P. J. P. Finch; D. S. Thompson.

Andrews Postgraduate Scholarship in Classics.—Elsbeth Tamboezer.

Sarah M. Baker Memorial Prize (*Botany*).—Stella Neale.

Sir Banister Fletcher Prize and Medal.—Alison K. Fennell.

Herbert Batsford Prize (*Architecture*).—K. Crowhurst.

The Bayliss-Starling Memorial Scholarship (*Physiology and Biochemistry*).—A. E. Hall.

Francis Perch Bedford Prize (*Zoology*).—Marian J. Lamb and R. A. Weiss, £15 each.

Benington Memorial Studentship (*Anthropometry and Craniology*).—S. C. Tiwari.

Bonney Prize (*Geology*).—F. Aumento.

Alfred Bossom Prize in Domestic Architecture.—D. R. Adam, P. S. Boyle, J. C. Girling and A. H. N. Merrett, prize equally divided.

Alfred Bossom Atelier Prize.—English Architecture: D. V. Bartlett; *Contemporary Architecture:* J. Greening.

Mary Brodrick Prize (*Geography*).—B. W. Atkinson.

'*The Builder*' *Prizes* (*Architecture*).—Measured Drawings (for work done in the Long Vacation 1960).—*Junior:* K. Crowhurst.

Bunnell Lewis Prize for Latin Verse.—W. A. Lockwood.

The Chadwick Medal and Prize (*Civil Engineering*).—M. L. H. Creasy.

Churchill-Jenkinson Prize (*Archive Administration*).—Marjorie Walker.

Antonio Cippico Medal and Prize (*Italian*).—J. M. Hatwell.

Lilian Clarke Prize (*Botany*).—Rosalie M. Cox.

Clinton Prize (*Electrical Engineering*).—L. K. Brundle.

Cluff Memorial Prize (*Medical*).—P. J. P. Finch.

Cowley Prizes.—Librarianship: Catherine M. Legg. *Archive Administration:* R. I. Jack.

Dawes Hicks Scholarship in Philosophy.—K. C. Brown.

Donaldson Medal and Prize (*Architecture*).—R. J. Faircliff.

Early English Text Society's Prize.—Isabel B. Hellewell.

Esso Postgraduate Studentship in Chemical Engineering.—T. P. Cook.

Studentships in Film.—C. J. A. Barr; G. O. Millar.

The Richard FitzGerald Prize.—Laws: C. E. P. Colombotti (1960 award); *Engineering:* L. J. Stagg (1961 award).

Flinders Petrie Scholarship (*Egyptian Archaeology*).—D. B. O'Connor.

Foreign Student Scholarship in Arts.—Elsbeth Tamboezer.

Foyle Prize (*Latin*).—J. D. Frendo.

Stephen Glanville Memorial Scholarship (*Egyptology*).—A. J. Mills.

Edith Goodyear Prize (*Geology*).—C. Halls.

Eleanor Grove Scholarship (*German*).—Wendy Philipson.

Heimann Medals and Prizes (*German*).—T. E. Helvin and B. Thompson, prize and medal each.

Henriques Scholarship (*Fine Art*).—K. Muchos.

T. G. Hill Scholarship (*Botany*).—Stella Neale.

Elsie Hitchcock Prize (*English*).—Jill V. Mansfield.

Hollier Scholarship (*Greek*).—Elsbeth Tamboezer.

Hollier Scholarship (*Hebrew*).—B. A. Parker.

R. B. Hounsfield Prize in Traffic Engineering.—R. L. Taylor.

Joseph Hume Scholarship in Jurisprudence.—J. R. Mackenzie.

Hurst Prize in English Law.—Christina J. R. Sachs.

Jews' Commemoration Scholarship.—Yao Te Hai.

Jolowicz Prize (*Roman Law*).—P. G. Cole and I. McC. Kennedy, prize equally divided.

Ker Memorial Prize (*English*).—P. J. Beech.

Postgraduate Scholarship in Laws.—C. I. Pordham.

Sir John MacAlister Medal and Prize (*Librarianship*).—P. A. Hoare.

Malden Scholarship (*Greek*).—E. J. Jory.

Sir William Meyer Prize (*Geography*).—D. J. Robinson.

Sir William Meyer Essay Prize (*Geography*).—R. V. Cooke.

Sir William Meyer Prize (*History*).—G. T. Martin.

Sir William Meyer Prize in Modern History.—B. H. Abbott.

Sir William Meyer Travelling Studentships (*History*).—Helen Andrewes (£50); A. Hughes (£100).

John Stuart Mill Scholarship in Philosophy of Mind and Logic.—K. C. Brown.

Momber Scholarship in Physics.—C. H. Bloomfield.

Momber Scholarship in Science.—P. R. Johnson.

Rosa Morison Memorial Medals (*Science*).—G. Cohen and C. H. Bloomfield.

Rosa Morison Prizes.—Anthropology: Anne V. Akeroyd. *French:* Dorothy M. J. Stapleton. *Hebrew:* B. A. Parker. *Philosophy:* R. A. Pring. *Scandinavian Languages:* J. P. Lane.

Rosa Morison Scholarship in English Language and Literature.—Valerie J. Lunt.

Morley Medal and Prize (*Modern English Literature*).—E. W. Domville.

Morris Prize (*Geology*).—C. W. M. Claxton.

Margaret Murray Prize in Egyptology.—Jennifer M. Scarce.

Oliver Scholarship (*Botany*).—Stella Neale.

Parry Prize (*Geography*).—C. Singleton.

Catherine Maude Pearce Scholarship for Senior Women Students.—Mary L. Coulouris.

Perren Studentship (*Astronomy*).—B. E. Woodgate.

Physiology Prizes.—Medical: P. J. P. Finch. *Dental:* S. T. Robinson.

Platt Prizes (*Greek*).—J. H. Betts; J. D. Frendo.

Pollard Prize (*History*).—M. S. Hardy.

Theodora Prankerd Memorial Scholarship in Botany.—Stella Neale.

Quain Studentship in Biology.—D. O. Gray.

Ramsay Memorial Medal and Prize (*Chemistry*).—Barbara E. C. Banks.

Ricardo Scholarship (*Political Economy*).—E. Rahim.

Ellen Richards Prize (*Botany*).—Stella Neale.

Mary Rischgitz Prize (*Fine Art*).—A. C. Donaldson and P. G. Prockton, prize equally divided.

Graham Robertson Travelling Scholarship (*Fine Art*).—P. H. Kalkof.

Robert Ross Scholarship in Fine Art.—B. D. Elliott.

Hester Rothschild Scholarship (*Hebrew*).—B. A. Parker.

L. M. Rothschild Scholarship (*French*).—B. Kite.

Mayer de Rothschild Scholarship in Pure Mathematics.—J. St.-C. L. Sinnadurai.

Slade Prizes.—Second Prizes: R. J. Cook and A. R. Welsford.

Slade Scholarships.—K. G. Brazier; D. C. Hensler; K. Muchos.

Stanbury Scholarship in Stage Design.—M. G. Clarke.

Steer Prizes (*Fine Art*).—*First Prize:* A. R. Welsford. *Second Prize:* J. R. Martinez and Jeanne Masoero, prize equally divided.

Suckling Memorial Prize (*Practical Anatomy*).—S. Lonsdale.

Sir Andrew Taylor Prize in Architecture.—M. W. A. Cassidy and M. E. Finbow, prize equally divided.

Sir Andrew Taylor Prize in Fine Art.—Gwendoline Osterritter.
Henry Tonks Prize (Fine Art).—Eliza Hutchinson.
Tuffnell Scholarship (Chemistry).—M. R. Philpott.
L. F. Vernon-Harcourt Prize (Civil Engineering).—D. C. McDermott.
Ellen Watson Memorial Scholarship in Applied Mathematics.—M. J. Affleck.

APPENDIX XII

EXAMINATION RESULTS

FACULTY OF ARTS

B.A. (Honours)	*1st Class*	*2nd Class*		*3rd Class*	*Total*
		Upper Div.	*Lower Div.*		
Anthropology	—	1	3	1	5
Classics	4	3	3	2	12
English	5	16	9	4	34
French	2	6	11	—	19
Geography	—	17	9	1	27
German	—	6	6	3	15
Hebrew	1	1	—	—	2
History	2	13	14	2	31
Italian	—	—	2	—	2
Latin	1	—	—	2	3
Mathematics	—	1	—	—	1
Philosophy and Economics	—	1	2	2	5
Philosophy	2	2	1	—	5
Psychology	2	4	3	2	11
Scandinavian Languages	—	1	1	—	2
	19	72	64	19	174

	Pass	*Total*
B.A. Aegrotat	1	1

	1st Class Honours	*2nd Class Honours*	*3rd Class Honours*	*Total*
B.A. Architecture	2	1	4	7

FACULTY OF ECONOMICS

	1st Class Honours	*2nd Class Honours*		*Pass*	*Total*
		Upper Div.	*Lower Div.*		
B.Sc. (Economics)	2	*10	*11	6	29

*Includes two students also registered at another Institution.

FACULTY OF LAWS

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	Pass	Total
LL.B.	1	14	28	25	68

FACULTY OF SCIENCE

B.Sc. (Special)	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Total
Anatomy	4	4	2	—	10
Astronomy	1	1	—	—	2
Biochemistry	4	4	3	—	11
Botany	4	2	4	1	11
Chemistry	6	14	11	7	38
Geography	—	4	5	1	10
Geology	1	4	1	5	11
Mathematics	7	10	5	5	27
Physics	7	19	6	12	44
Physiology	—	6	10	1	17
Psychology	1	6	4	2	13
Statistics	—	1	2	2	5
Zoology	4	2	2	1	9
	39	77	55	37	208

	1st Class Honours	Total
B.Sc. Aegrotat	1	1

B.Sc. Degree	Pass	Tota
Statistics	3	3

FACULTY OF ENGINEERING

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	Pass Degree	Total
B.Sc. (Engineering)	9	9	11	12	41
B.Sc. (Engineering) Chemical Engineering	1	2	5	3	11

FACULTY OF MEDICINE

Second Examination for Medical Degrees: 58 students passed.

APPENDIX XIII

BENEFACTIONS AND DONATIONS

The College Committee makes grateful acknowledgment of the following gifts:

Admiralty

(1) A grant not exceeding £6,500 for one year from 1 October 1960 for research in the Department of Electrical Engineering on thermionic waves.

(2) A grant not exceeding £3,565 for one year from 1 October 1960 for upper atmospheric research in the Department of Physics.

(3) An amended grant not exceeding £2,733 for one year from 1 October 1960 for research in the Department of Electrical Engineering on the transmission of microwave power.

(4) A grant not exceeding £1,060 for one year from 7 January 1961 for research in the Department of Electrical Engineering on wide band H.F. aerials.

Agricultural Research Council

(1) A grant of £972 for one year from 1 October 1960 for research in the Department of Biochemistry on adaptive enzyme synthesis in whole cells and subcellular fractions of pseudomonas species.

(2) A grant not exceeding £1,262 for one year from 1 January 1961 for research in the Department of Botany on the physiological role and metabolism of certain secondary nitrogenous substances in higher plants and micro-organisms.

Air Ministry

A grant of £1,000 per annum for three years from 1 December 1960 for study in the Department of Physics of seasonal and diurnal winds over Woomera.

American Chemical Society

A grant of $12, 260 for the period 1 February 1961 to 31 August 1963 for study in the Department of Chemistry of gas-phase homogeneous catalysis.

Anonymous

(1) A grant of £1,050 per annum for seven years under deed of convenant for the Department of History for the provision of travel grants for students of Ancient History.

(2) A grant of £250 for the purchase by the Department of Eugenics, Biometry and Genetics of apparatus or books, travelling expenses of research workers or remuneration for technical assistance.

Associated-Rediffusion Limited

(1) A grant of £1,000 for research in the Communication Research Centre in the language of advertising and co-operation between the Centre and Associated-Rediffusion Limited.

(2) A grant of £500 for the year 1961–62 for a maintenance scholarship for the Slade School of Fine Art for a student of fine art.

Associated Television Limited

A grant of £1,000 for research in the Communication Research Centre in the language of advertising and co-operation between the Centre and Associated Television Limited.

Professor Norman H. Baynes

A bequest of such books in his library as might be chosen by the Librarian of the College for inclusion in the College Library, and a sum of £250 to be applied for binding or re-binding them.

Boots Pure Drug Company

An additional grant of £100 for one year from October 1960 for a studentship in the Department of Chemical Engineering.

British Electrical and Allied Industries Research Association

A grant of £650 for 1961 for research in the Department of Electrical Engineering on the general subject of magnetic materials.

British Empire Cancer Campaign

(1) A grant of £361 for six months from 1 July 1960 and a further grant of £724 for 1961 for investigations in the Department of Biochemistry of the size, structure and enzyme activities of ribonucleoprotein particles from ascites tumour cells.

(2) A grant of £1,240 for 1961 for Cancer research in the Department of Pharmacology.

(3) A grant of £900 for 1961 for chemical study in the Department of Chemical Engineering of lipid-protein complexes extractable from normal and cancerous human lungs.

(4) A grant of £850 and an additional grant of £24 for 1961 for cancer research in the Department of Chemistry.

British Petroleum Company Limited

A grant of £1,000 per annum for three years from September 1960 for a research studentship in the Department of Chemical Engineering.

British Titan Products Company Limited

A grant of £1,100 per annum for three years from July 1961 for a post-doctoral research fellowship in the Department of Chemistry.

B.X. Plastics Limited

A grant of £400 per annum for three years from 1 October 1960 for research in the Department of Chemistry on the hydration camphene.

Cement and Concrete Association

A grant of £250 for one year from 1 October 1960 for research in the Department of Civil and Municipal Engineering in concrete technology.

Central Electricity Generating Board

A grant of £3,800 for two years from 1 October 1960 for investigation in the Department of Electrical Engineering on the magnetic triode.

De Havilland Aircraft Company Limited

A gift to the Department of Mechanical Engineering of a number of specialised strain-gauges.

Department of Scientific and Industrial Research

(1) An additional grant of £885 for 3 years from 1 January 1959 for research in the Department of Psychology into the further development of a training method for skilled operatives in industry.

(2) An additional grant of £216 for two years from 1 October 1959 for research in the Department of Civil and Municipal Engineering on stresses in arch dams of variable thickness.

(3) A grant not exceeding £57,700 for three years from 1 December 1959 for a space research programme in the Department of Physics for satellite research.

(4) A grant not exceeding £3,420 for one year and three months from 1 April 1960 for the analysis of rocket and satellite data in the Department of Physics.

(5) A grant not exceeding £1,035 for one year from 1 August 1960 for investigation by the Department of Civil and Municipal Engineering into the filtration of suspensions through porous media.

(6) A grant not exceeding £2,085 for two years from 1 September 1960 for theoretical studies in the Department of Physics relating to the use of rockets and satellites and the data obtained thereby.

(7) A grant not exceeding £1,700 for two years from 1 September 1960 for geochemical studies in the Department of Geology in the Glomfjord area of Northern Norway.

(8) A grant not exceeding £25,375 for three years from 1 October 1960 for the use in the Department of Physics of photographic emulsions in fundamental particle studies.

(9) A grant not exceeding £22,250 for three years from 1 October 1960 for investigations in the Department of Physics of high energy electromagnetic processes.

(10) A grant not exceeding £20,250 for three years from 1 October 1960 for investigation in the Department of Physics of polarisation phenomena with nucleons and γ-rays.

(11) A grant not exceeding £7,486 for three years from 1 October 1960 for investigation in the Department of Physics of inelastic ionic collisions.

(12) A grant not exceeding £6,950 for three years from 1 October 1960 for investigation in the Department of Physics of problems in atomic physics and astrophysics.

(13) A grant not exceeding £6,690 for one year from 1 October 1960 and additional grants of £1,730 for the period 1 October 1960 to 31 December 1961 and £11,465 for an extended period to 31 December 1962 for investigation in the

Department of Physics involving measuring and data reduction concerned with bubble chamber photographs.

(14) A grant not exceeding £2,475 for two years from 1 October 1960 for investigation in the Department of Chemistry of the magnetic susceptibilities of co-ordination compounds at very low temperatures.

(15) An additional grant of £2,070 for three years from 1 October 1960 for the use in the Department of Physics of photographic emulsions in fundamental particle studies.

(16) A grant not exceeding £1,035 for two years from 1 October 1960 for investigation by the Department of Electrical Engineering on the magnetic triode.

(17) A grant of £975 for one year from 1 October 1960 for research in the Department of Electrical Engineering on the propagation of surface radio waves.

(18) A grant not exceeding £928 for one year from 1 October 1960 for investigation in the Department of Physics into the π-meson scattering and dispersion relations.

(19) A grant of £500 for one year from 1 October 1960 for research in the Department of Physics on transport properties of atomic gases.

(20) A grant of £2,800 for one year from 1 November 1960 for research in the Department of Civil and Municipal Engineering on the effect of waves on beaches.

(21) An additional grant of £1,150 for three months from 31 December 1960 for research in the Department of Physics using the CERN synchrocyclotron.

(22) A grant not exceeding £43,800 for seven years and seven months from 1 January 1961 for diffraction studies in the Department of Chemistry of molecular vibrations in crystals.

(23) A grant not exceeding £6,970 for three years from 1 January 1961 for investigation in the Department of Phonetics into the influence of language forms on educability modes of communication and social relationships.

(24) A grant not exceeding £3,230 for three years from 1 January 1961 for investigation in the Department of Physics of the few nucleon problem.

(25) A grant not exceeding £3,208 for two years from 1 January 1961 for investigation in the Department of Geography of the extent and changing form of London's 'heat-island'.

(26) An additional grant of £18,100 for the period February 1961 to March 1963 for the Department of Physics for rocket research in the upper atmosphere.

(27) A grant not exceeding £2,950 for eight months from 1 February 1961 for collaboration by the Department of Physics with the University of California in research on the Stopped K-Meson Experiment.

(28) A grant not exceeding £15,000 for two years from 1 March 1961 for purchase by the Department of Chemistry of equipment in connection with an investigation of bond properties by electron magnetic resonance techniques.

(29) A grant of £1,150 for three years from 1 March 1961 for investigation in the Department of Electrical Engineering into the design of a microwave Hall effect wattmeter and the determination of the Hall coefficients of various semiconducting materials at microwave frequencies.

(30) A grant not exceeding £2,292 for one year from 1 April 1961 for research in the Department of Physics into the interaction of high energy particles in nuclei and the properties of unstable particles produced in high energy interactions.

(31) A grant not exceeding £3,430 for one year from 1 July 1961 for a structural and geomorphological study in the Department of Geology of the Antofagasta province of Northern Chile.

(32) A grant not exceeding £12,943 for five years from 1 October 1961 for investigation in the Department of Electrical Engineering of microwave transmissions by waveguide over large distances.

(33) A grant not exceeding £15,700 for an extended period to 31 December 1960 for the construction in the Department of Physics of a large, heavy liquid bubble chamber.

(34) An additional grant not exceeding £1,016 for an extended period to 30 September 1962 for research in the Department of Zoology on the anatomy and function of the olfactory brain of reptiles.

(35) An additional grant of £2,650 for research in the Department of Mechanical Engineering on the whirling of shafts.

(36) An additional grant of £330 for investigations in the Department of Physics of the interaction of nucleon with other nucleons and with light nuclei.

(37) An additional grant of £184 for research in the Department of Physics into the scattering of electron in the range 4–30 MEV.

(38) An additional grant of £183 for research in the Department of Physics on the interaction of high energy particles using nuclear emulsion techniques.

A grant of £6,230 for three years from 1 October 1959 for research in the Departments of Psychology and Physiology (recorded in the Annual Report for 1959–60) has been reduced to £1,090.

Diamond Corporation

A grant of £250 for one year from 1 October 1960 for research in the Department of Chemistry on diamonds.

E.I. Du Pont De Nemours and Company

(1) A grant of $5,000 for one year from 1 February 1961 for fundamental research in the Department of Chemistry on compounds containing metal to metal bonds, under the direction of Professor Nyholm.

(2) A grant of $6,000 for one year from 1 March 1961 for fundamental research in the Department of Chemistry on tungsten and molybdenum.

Empire Rheumatism Council

Grants of £500 and £225 per annum for two years from 1 January 1961 for research in the Department of Physiology on properties of connective tissues.

Esso Research Limited

A grant of £400 for expenses in the Department of Chemistry for computing services.

GEIGY PHARMACEUTICAL COMPANY LIMITED

A grant of £300 for research in the Student Health Centre, in association with the Tavistock Clinic.

CALOUSTE GULBENKIAN FOUNDATION, LISBON

A grant of £750 for the Department of Fine Arts for the improvement and renewal of equipment for Theatre Design.

HILGER AND WATTS LIMITED

A grant of £500 for one year for a research studentship in Photogrammetry in the Department of Civil and Municipal Engineering.

IMPERIAL CHEMICAL INDUSTRIES LIMITED

A gift of apparatus for the Department of Chemistry.

N. ISAACS

The gift of an early picture 'Tragedians' by David Bomberg.

SIR HILARY JENKINSON

(1) A bequest of half his residuary estate (probably about £5,000) for the establishment of a fund for the encouragement and assistance by scholarships, prizes and other means, of students working upon the subject of Archive Administration.

(2) A silver bowl and fitments made by the late Dr G. H. Fowler for the use of the Provost and the College, and a copy of Dr Fowler's edition of *Rolls from the Office of the Sheriff of Beds. and Bucks.*

R. LE ROSSIGNOL

A gift of £50,000 to set up a trust fund to be used for further research in the Departments of Biochemistry, Chemical Engineering, Chemistry, Biophysics and Physics.

LEVERHULME TRUST FUND

A grant of £600 for travelling expenses for three members of the History Department to attend a conference on American Colonial History at Williamsburg, Virginia, U.S.A.

MEDICAL RESEARCH COUNCIL

(1) An additional grant of £62 10*s.* 0*d.* for fifteen months from 1 January 1960 and a grant of £250 for one year from 1 April 1961 for study in the Department of Physiology of the distribution of acetylcholine in sympathetic ganglia.

(2) An additional grant of £33 for one year from 5 January 1960 and a further grant of £410 for the period from 5 January 1961 to 30 June 1961 for investigation by the Department of Physiology into the nature of epilepsy.

(3) Grants of £1,650 and £150 for one year from 1 February 1960 and a grant of £1,850 for one year from 1 February 1961 for study by the Department of Psychology of muscular skill and physiological efficiency.

(4) A grant of £1,700 per annum for two years from 1 July 1960 for research in the Department of Phonetics on the nature of thinking as revealed through the speech process.

(5) A grant of £415 for three months from 4 July 1960 for work in the Department of Physiology on the theoretical application of principles of communication in engineering to problems of sensory communication.

(6) A grant of £600 per annum for one month from 1 September 1960 for research in the Department of Physiology in central neurophysiology.

(7) A grant of £930 for one year from 21 September 1960 for study in the Student Health Centre of the prevalence of mental ill-health in a population of university students.

(8) A grant of £350 for one year from 21 September 1960 for study by the Department of Physiology of the processes of the continuous eruption of the mandibular incisors.

(9) A grant of £860 for one year from 1 October 1960 for research in the Department of Biochemistry on the relationship of the acid-soluble ribonucleotides and the nucleic acids of the mammary gland to the synthesis of milk and in particular casein.

(10) Grants of £700 and £100 for one year from 1 October 1960 and an additional grant of £118 15*s.* 0*d.* for the period 1 March 1960 to 30 September 1961 for research in the Department of Psychology on inductive and deductive thinking.

(11) A grant of £270 for one year from 1 October 1960 for research in the Department of Zoology on the physiology of ageing in drosophila.

(12) An additional grant of £150 for one year from 1 October 1960 for study in the Department of Pharmacology of delayed allergic reactions, with special reference to the role of cell-bound antibodies in autosensitization.

(13) A grant of £750 plus superannuation for one year from 28 December 1960 for research in the Department of Anatomy and Embryology on cell behaviour in wound repair.

(14) Grants of £800 for one year from 1 January 1961 and an additional grant of £270 per annum from 1 June 1961, for technical assistance; £400 for one year for purchase of apparatus; and £250 for one year for expenses from 1 January 1961 for the Department of Anatomy and Embryology in connection with research on the formation of engrams in the cerebral cortex and their transfer from one side of the brain to the other.

(15) A grant of £800 per annum for one year from 1 January 1961 for study in the Department of Eugenics of chromosomal translocations.

(16) A grant of £800 for one year from 1 January 1961 for diffraction studies in the Department of Chemistry of molecular vibrations in crystals.

(17) A grant of £275 per annum for one year from 7 March 1961 for scientific assistance in the Department of Anthropology in a study of the human karyotype in various populations.

(18) A grant of £800 for one year from 1 April 1961 for research in the Department of Biophysics on electron-microscopy and other studies into the fine structure of biological systems.

(19) A supplementary grant of £750 per annum for May 1961 only for research in the Department of Biochemistry on retinal metabolism.

(20) A grant not exceeding £485 for special apparatus in the Department of Zoology in connection with work on the genetics of myxomycetes.

(21) A grant of £200 for the Department of Anatomy and Embryology for the purchase of apparatus.

Ministry of Aviation

(1) A grant of £700 for one year from 1 June 1960 for research in the Department of Statistics on serial correlation in a binary sequence.

(2) A grant not exceeding £3,600 for one year from 1 October 1960 for investigation in the Department of Electrical Engineering on the measurement at centimetre wavelengths of surface currents on conducting objects in an incident plane electromagnetic field.

(3) Additional grants of £2,500 and £60 for one year from 1 October 1960 for the Department of Physics, for the measurement of electron attachment coefficients in low pressure gases.

(4) A grant not exceeding £1,968 for one year from 1 October 1960 for investigation in the Department of Mechanical Engineering of some aspects of the behaviour of flame traps.

(5) A grant not exceeding £1,632 and an additional grant of £15 for one year from 1 October 1960 for research in the Department of Phonetics in sound coded speech.

(6) A grant not exceeding £1,027 for one year from 1 October 1960 for studies in the Department of Chemistry on the structures of explosives by nuclear magnetic resonance and quadrupole spectra.

(7) A grant not exceeding £1,000 for one year from 1 October 1960 for research in the Department of Electrical Engineering into the dielectric properties of polycrystalline photo-conductive film in microwave fields.

(8) A grant of £1,575 for one year from 12 February 1961 for the application in the Department of Electrical Engineering of Hall effect to the measurement of high power density electromagnetic waves in free space.

National Foundation

A grant of $1,250 for one year from 1 December 1960 for a post-doctoral research fellowship in the Department of Physiology for Dr A. M. Gordon.

National Institute for Research in Nuclear Science

(1) A grant of £50,000 for two years from 1 October 1960 for the construction by the Department of Physics of a heavy liquid bubble chamber.

(2) A grant of £16,755 for two years from 1 January 1961 for investigation by the Department of Physics into the development of spark chambers for use with 'NIMROD'.

(3) A grant not exceeding £1,750 for one year from 1 January 1961 for experiments in the Department of Physics with the proton linear accelerator.

(4) A grant not exceeding £5,000 for one year from 1 April 1961 for purchase by the Department of Physics of capital items for incorporation in heavy liquid bubble chamber.

(5) A grant not exceeding £1,300 for the period 18 April 1961 to 30 June 1962 for accelerator design work in the Department of Physics.

National Science Foundation

(1) A grant of $750 for the period 15 April 1960 to 15 October 1961 for a Research Fellowship for Dr R. G. Tonkyn in the Department of Chemistry.

(2) A grant of $200 for departmental expenses in the Department of Botany.

H. W. Nightingale

A gift of three coloured prints showing early designs of the College plus the cost of framing them.

Northwood Centre, University of London Extension Lectures

A grant of £20 as a donation to the Grants and Loans Fund.

Norwegian Government

A grant of £75 for 1960–61 as a contribution towards providing the allowance payable to a Visiting Professor of Scandinavian Studies.

Nuffield Foundation

(1) An additional grant of £788 to be used as follows: in the Department of Zoology—£200 plus superannuation for research on ageing, £100 for research in genetics, £200 plus superannuation for developmental biology; in the Department of Chemistry—£150 for work on the mechanisms of processes catalysed by enzymes; in the Department of Botany—£80 plus superannuation for the study of acetate metabolism of Chlorella.

(2) A grant of £80 plus superannuation for study in the Department of Botany of Biochemical Genetics of higher plants.

(3) An additional grant of £250 for 1959–60 and a grant not exceeding £1,500 per annum from 1 August 1960 for maintenance by the Department of Botany of Nuffield Botanic Research Gardens.

Nuffield Provincial Hospitals Trust

A grant of £17,500 for two to three years from 1 October 1960 for special study in the Department of Architecture in hospital development.

Parke Davis and Company

A grant of £350 for one year from 1 October 1960 for research in the Department of Physiology on inflammation, peptides and related topics.

Pfizer Limited

A grant of £600 for the academic year 1960–61 for a research fellowship in the Department of Chemical Engineering.

Rockefeller Foundation

(1) A grant not exceeding $43,500 for five years from 1 January 1961 for research in the Department of Eugenics, Biometry and Genetics in human genetics.

(2) A grant of $25,000 for five years from 1 December 1961 for publication of selected writings of Jeremy Bentham.

Royal Geographical Society

A grant of £50 for the Department of Geology towards the cost of air photographs for research expedition to Northern Chile.

Royal Society

(1) A grant not exceeding £5,000 for two years from 1 October 1960 for design study in the Department of Physics for a satellite telescope.

(2) A grant of £800 for one year from 1 October 1960 for research in the Department of Physics on the excitation of spectra by protons.

(3) Additional grants of £50 per annum for the period 1 January 1960 to 30 November 1961 and £50 per annum from 1 August 1960 to 30 November 1961 for study in the Department of Physics of strange particles produced by high energy accelerators.

(4) An additional grant of £200 per annum from 1 January 1960 and a further additional grant of £50 per annum from 27 September 1960 for the Department of Anatomy and Embryology for a Lock Research Fellowship award to Dr B. G. Cragg.

(5) A grant of £1,594 for the Department of Anatomy and Embryology for the purchase of a microdensitometer.

(6) A grant of £100 for the Department of Mechanical Engineering towards travelling expenses for Dr S. R. Montgomery to attend a symposium in New York in connection with research under D.S.I.R. contract on unsteady flow in pipes.

R. J. Sainsbury

An additional grant of £2,000 less tax for the Department of Fine Arts for the benefit of young sculptors on completion of their training.

Shell Research Limited

An unrestricted grant of £500 for 1961 for use in the Department of Chemistry in connection with research work.

Albert Richard Turner

A bequest of £2,450, the income from which would come to the College on the death of the life tenant, to provide a useful memorial to his daughter Marguerite Bressey Turner, student and subsequently a member of the administrative staff of the College.

United Kingdom Atomic Energy Authority

(1) An additional grant of £400 for the period 2 February 1960 to 1 June 1960 for research in the Department of Civil and Municipal Engineering on photo-elastic stress analysis of a compound pressure vessel.

(2) An additional grant of £12,200 for three years from 1 September 1960 for research in the Department of Physics on atomic collision cross sections.

United States Air Force

(1) A grant of $10,150 for one year from 1 October 1960 for research in the Department of Physics in theoretical nuclear physics.

(2) An additional grant of $7,084 with date extended to 15 June 1961 for research in the Department of Chemical Engineering on effects of electron collisions in atmospheric gases.

(3) An additional grant of $10,962 for an extended period to 30 November 1961 for theoretical investigation in the Department of Chemical Engineering on electron impact cross sections for molecular hydrogen.

(4) An additional grant of $24,100 for an extended period to 30 April 1962 and a grant not exceeding $14,550 for one year from 1 June 1962 for research in the Department of Anatomy and Embryology on anatomical localisation of target learning and memory.

United States Army

A grant of $6,400 for one year from 1 November 1960 for research in the Department of Chemistry on radial distribution curve of electron density.

United States Public Health Service

(1) An additional grant of $465 for the period 9 January 1960 to 30 April 1961 for research in the Department of Anatomy and Embryology on control of cell locomotion in relation to malignancy.

(2) A grant of $27,350 for one year from 1 June 1960 and a further grant of $21,120 for one year from 1 June 1961 for research in the Department of Zoology on behavioural interaction and ageing in Saturniid moths.

(3) A grant of $500 for one year from October 1960 for research in the Department of Eugenics, Biometry and Genetics in genetics of foetal haemoglobin.

(4) A grant of $23,614 for one year from 1 January 1961 for research in the Departments of Pharmacology and Psychology on the psychopharmacology of learning, perception and skill.

(5) A grant not exceeding $20,764 for one year from 1 April 1961 for research in the Department of Pharmacology on psychotropic drugs and autonomic disfunction.

(6) A grant not exceeding $13,940 for one year from 1 April 1961 for research in the Department of Zoology on the nature of antigens responsible for homograft reaction.

(7) A grant not exceeding $12,775 for one year from 1 May 1961 for research in the Department of Anatomy and Embryology on control of cell locomotion in relation to malignancy.

(8) A grant not exceeding $9,947 for one year from 1 June 1961 for research in the Department of Eugenics, Biometry and Genetics on the mapping of human genes with the aid of cell culture.

Wellcome Trust

(1) An additional grant of £1,500 for two years from 1 January 1960 for fees for computations connected with crystallographic researches in the Department of Chemistry.

(2) An additional grant of £330 for research in the Department of Anatomy and Embryology on nerve fibres and synapses.

Whitehall Foundation Incorporated

A grant of $15,000 per annum for five years for an investigation in the Department of Chemical Engineering of the properties of enzymes adsorbed on solid supports.

Wolfson Foundation

A grant of £200,000 for the conversion of part of 4-10 Euston Buildings to be occupied by the Department of Eugenics, Biometry and Genetics (including the Galton Laboratory).

Wyandotte Chemicals Corporation

A grant of $4,000 for 1961 for investigation in the Department of Chemistry of the chemistry of certain nitrogen ligands.

GIFTS TO THE LIBRARY

The most interesting gift during the session was the presentation by Mrs Sonia Pitt-Rivers and the George Orwell Archive Trust of manuscript notebooks and diaries of George Orwell, together with original typescripts of articles, poems and fragments of plays, to form the basis of a George Orwell Archive at University College. To these gifts Sir Richard Rees and others have added numerous letters, typescripts and books by or about Orwell. Two notable bequests from distinguished scholars who had long been closely associated with the College were received following their deaths during the session. Professor Norman H. Baynes, after leaving to Dr Williams's Library his collection of books on civilization and history of the Roman and Byzantine empires, bequeathed the remainder of his books to the College, from which over 2,000 volumes were selected for the Library. Sir Hilary Jenkinson bequeathed some 500 books and pamphlets to the College, including sets of his own publications and those of his brother John Wilfred Jenkinson and his father William Wilberforce Jenkinson. Finally, John Carter generously presented a collection of 29 long letters written by A. E. Housman to his stepmother between 1875 and 1901.

APPENDIX XIV

COLLEGE ACCOUNTS 1960–61

The Balance Sheet and the Income and Expenditure Account for the year will be found on pages 98–101.

BALANCE SHEET

Features of special interest were:

LIABILITIES

The Capital Account increased by £470,685, which represented the capitalisation of the value of new accommodation that came into use in the year, viz., the Biological Sciences Block, Stages III and IV, and the new Refectory, and also the site value of ten houses in Gordon Street placed at the disposal of the College by the University.

Sundry Funds decreased by £116,486, due mainly to the utilisation of Appeal monies for the Engineering Building and the new Refectory.

ASSETS

Freehold land and buildings increased by £471,404, representing the additions to capital mentioned above.

Investments showed a decrease of £119,925, due to the utilisation of Appeal monies temporarily invested.

Expenditure recoverable from future grants rose by £54,790 owing to a marked increase in research projects referred to on page 7.

Current assets decreased by £128,531 due to the use of Appeal monies that were held on deposit.

TRUST FUNDS

The College holds endowments in the form of 175 separate trust funds with a total value of £1,057,262. A notable addition in the year was £50,000 given by Mr Le Rossignol, a former student, for research in scientific subjects.

The funds yield a gross income of £49,000.

INCOME AND EXPENDITURE

The Income and Expenditure account showed a surplus of £1,007, compared with a surplus of £3,182 for the previous year.

Income exceeded that of 1959–60 by £177,084, and included increases of grants from the Court of £58,500 for general purposes, £19,000 for upkeep of new buildings, and £60,900 for revision of salaries under the 1960 scheme. Income from donations increased by £10,200 for academic purposes.

Expenditure was £179,259 more than in 1959–60. The main features of this were the effect in a full year of the 1960 salary revision scheme, a technicians' wages award (£18,360) from August 1960, and the extra cost of maintenance of new buildings (£19,000) which was covered by a supplementary Court Grant.

The percentages of income and expenditure under the main classifications in the years 1958–59 to 1960–61 are shown in the following table:

EXPENDITURE	1958–9 %	1959–60 %	1960–1 %
Salaries and Pensions of Teaching Staff	48·5	48·4	49·3
Departmental Expenses incl. Library ..	24·4	24·5	24·1
Maintenance of Premises ..	15·1	15·6	15·3
Administration ..	7·7	7·1	7·3
Other	4·3	4·4	4·0
	100·0	100·0	100·0

INCOME	1958–9 %	1959–60 %	1960–1 %
Endowments ..	2·9	2·6	2·8
Grants	84·1	86·2	86·5
Donations ..	0·9	0·7	1·2
Fees	10.2	9·2	8·1
Other	1·9	1·3	1·4
	100·0	100·0	100·0

EXTRA-BUDGETARY ACTIVITIES

The College administers the finances of research projects supported from outside sources. At 31 July 1961 there were 200 such projects, an increase of 30 over 1959–60. Receipts of research grants rose from £207,088 in 1959–60 to £267,829 in 1960–61, and payments from £192,793 to £315,800.

CAPITAL GRANTS

Capital Grants made during the year 1960–61 were as follows:	£
Biological Sciences Block, Stage III: Increases in cost of labour and materials and additional professional fees	678
Biological Sciences Block, Stage IV: Increases in cost of labour and materials and additional professional fees	11,334
Biological Sciences Block, Stage V:	
Building work	320,148
Increases in cost of labour and materials and additional professional fees	28,420
Biological Sciences Block, Stages III & IV: Purchase of equipment ..	27,045
Engineering Building, Stage I: Increases in cost of labour and materials and additional professional fees	11,248
Engineering Building, Stage II:	
Increases in cost of labour and materials and additional professional fees	6,564
Purchase of equipment..	7,379
Purchase of furniture	53,183
Engineering Building, Stages I & II:	
Purchase of equipment..	222,897
Technical assistance	2,400
Completion of basement of Biological Sciences and Engineering Blocks:	
Professional fees	39,802

Alterations to Medical Sciences Building, Stage II:	
Building work	41,650
Professional fees	5,546
Increases in cost of labour and materials, additional building work and professional fees	2,804
Purchase of equipment	5,938
Purchase of equipment and furniture	21,581
Extension to Observatory at Mill Hill:	
Professional fees	1,066
Purchase of furniture	1,522
Purchase of equipment	2,980
Purchase of lease of 10 Hanover Terrace as Residence for the Provost	14,500
Purchase of Freehold of 26, 28 & 30 Fitzroy Street and 24 & 26 Maple Street:	
Professional and legal charges	223
Additional cost	2,500
Adaptations to elementary Zoology Laboratory:	
Building work	1,275
Purchase of equipment	2,446
Conversion of former Refectory for departmental use:	
Building work	4,752
Purchase of equipment	15,245
New Refectory:	
Professional fees	500
Purchase of furniture	10,621
New Accommodation for Careers Adviser: Purchase of furniture	329
Provision of additional lavatory accommodation in Engineering Building: Building work	504
Provision of additional lavatory accommodation in 21 Gordon Square:	
Building work	1,593
Bartlett School of Architecture: Purchase of furniture for research	2,775
New Telephone Installation: Building work and professional fees	41,805
	£913,253

SCHOLARSHIPS AND PRIZES

Expenditure amounted to £15,072 in 1960–61. Awards were made as under:

	Undergraduate £ *s.* *d.*	*Postgraduate* £ *s.* *d.*
From Endowments	2,166 10 8	1,806 12 9
„ Donations and Subscriptions	—	7,588 17 9
„ General Income	982 18 10	2,027 1 9
„ General Income: Exhibition Bursaries and special fee remissions	463 0 0	37 0 0
	£3,612 9 6	£11,459 12 3

31.7.60 £		£
7,092,950	CAPITAL ACCOUNT	7,563,635
47,574	REDEMPTION FUNDS	50,024
10,606	INCOME AND EXPENDITURE ACCOUNT	11,194
7,151,130		7,624,853
710,647	SUNDRY FUNDS	594,161
29,360	LOANS	28,152
235,690	UNEXPENDED BALANCES	228,040
162,086	CURRENT LIABILITIES	151,290
8,288,913		8,626,496
1,009,307	TRUST FUNDS	1,028,632

NOTE

The College freehold properties were revalued during 1959 on the basis of current land values and estimated building costs, by the College authorities with professional assistance from Quantity Surveyors. Accordingly these properties are stated at the 1959 valuation with subsequent additions at estimated cost. No value is included in capital account for furniture and equipment.

£9,298,220	£9,655,128

We have audited the above balance sheet and the annexed income and expenditure notes thereon, a true and fair view of the state of affairs of University College on that date: (*b*) moneys expended during the year out of non-recurrent grants for specific purposes have been properly applied to those purposes.

3 Frederick's Place, Old Jewry, London, E.C.2.
20th November 1961.

AS AT 31 JULY 1961

31.7.60 £		£	£
7,141,051	FREEHOLD LAND AND BUILDINGS—see note below ..		7,612,455
	LEASEHOLD LAND AND BUILDINGS, at cost..	95,872	
	Add: 10 Hanover Terrace, acquired during the year ..	14,778	
		110,650	
	Less: Amortization to date	44,442	
54,711			66,208
7,195,762			7,678,663
44,942	CAPITAL AND OTHER WORKS IN PROGRESS *less* capital grants and other capital receipts		94,090
635,188	INVESTMENTS.. .. .. (*Market Value of Stock Exchange Securities and other Investments at 31st July, 1961, £522,665: 31st July, 1960, £635,114.*)		515,263
77,830	EXPENDITURE RECOVERABLE FROM FUTURE GRANTS ..		132,620
60,023	CAPITAL WORKS—Expenditure in respect of Suspended Works		59,223
275,168	CURRENT ASSETS including prepayments		146,637
8,288,913			8,626,496
1,009,307	TRUST FUNDS		1,028,632
£9,298,220			£9,655,128

account. In our opinion (*a*) the said accounts give, on the basis indicated in the London at 31st July, 1961, and of the income and expenditure for the year ended received from the University Court and other funds administered by the College

PRICE WATERHOUSE & CO.
Chartered Accountants

EXPENDITURE

1959–60 £		£	£
	ADMINISTRATION		
88,204	Salaries	99,407	
5,374	Superannuation	6,042	
33,202	Advertising, Printing, Stationery, Postage, and Telephone	33,644	
7,549	Other Expenses (including Professional Fees)	5,444	
(134,329)			144,537
	ACADEMIC DEPARTMENTS		
798,123	Salaries of Teaching Staff	894,104	
71,507	Superannuation	80,964	
219,870	Departmental Wages (including Superannuation)	243,287	
148,259	Departmental and Laboratory Maintenance	153,566	
70,292	Libraries	75,903	
2,034	Other Expenses	3,642	
(1,310,085)			1,451,466
	MAINTENANCE OF PREMISES		
33,201	Rates	37,525	
3,469	Insurance	2,914	
	Rent and other payments for use of Buildings:		
4,861	Halls of Residence 7,767		
1,332	Other Buildings 1,160		
		8,927	
53,196	Heat, Light, Water and Power	62,546	
152,722	Repairs and Maintenance of Buildings including amounts set aside for long-term maintenance	153,206	
30,952	Wages of Porters and Attendants (including Superannuation)	33,271	
2,972	Other Expenses	3,637	
(282,705)			302,026
	GENERAL EDUCATIONAL		
131	Examiners' Fees	133	
12,176	Scholarships and Prizes	15,072	
600	Public Lectures	931	
1,500	Staff Attendance at Conferences	2,000	
372	Other Items	409	
(14,779)			18,545
	STUDENT FACILITIES AND AMENITIES		
23,800	Grant to Students' Union	24,930	
1,852	Salaries and Superannuation of Wardens of Halls of Residence	2,182	
1,500	Student Health Service	1,500	
3,038	Students' Purposes Fund	2,665	
205	Crabb Robinson Fund	180	
(30,395)			31,457
	MISCELLANEOUS		
11,599	Staff Pensions	11,334	
425	Grants from Benevolent Fund	489	
—	Grants from Bawden Fund	260	
2,940	Interest on Overdrafts, etc.	3,337	
4,681	Sundries	5,135	
	Deficits on Income and Expenditure Account for Halls of Residence, Refectories etc.		
	Refectory:		
875	College Subvention 875		
2,000	Trading Loss written off 4,436		
253	Non-Academic Staff Canteen 309		
(22,773)		5,620	
			26,175
	CAPITAL EXPENDITURE MET FROM INCOME		
2,800	Gordon Street Frontage		2,920
1,797,866			1,977,125
3,182	Excess of Income over Expenditure for the year		1,007
£1,801,048			£1,978,132
—	Conservation Studies—Balance of grant reserved		100
—	Eugenics & Statistics—Capital work abandoned		319
10,606	Balance 31st July, 1961, carried to Balance Sheet		11,194
£10,606			£11,613

INCOME

1959–60 £		£	£
	ENDOWMENTS		
47,857	Income appropriated for purposes specified by Trust.. ..		54,737
	DONATIONS AND SUBSCRIPTIONS: Appropriated for:		
292	Special Purposes	226	
4,387	Scholarships and Bursaries	7,589	
7,182	Salaries and Superannuation	10,122	
320	Departmental and Laboratory Maintenance	4,453	
(12,181)			22,390
	GRANTS FROM UNIVERSITY COURT		
1,346,000	General	1,565,500	
132,891	*Earmarked for Academic salary increases under 1957 Scheme (now included in General grant)*	—	
73,639	Earmarked for Academic salary increases under 1960 Scheme	134,572	
(1,552,530)			1,700,072
	FEES		
165,155	General	171,741	
636	Examination and Registration	899	
456	Exhibition Bursaries and Special Remissions	305	
(166,247)			172,945
4,672	CONTRIBUTIONS FOR SERVICES RENDERED		7,192
	SURPLUS FROM INCOME AND EXPENDITURE ACCOUNTS FOR COLLEGE PROPERTIES, HALLS OF RESIDENCE, REFECTORIES, ETC.		
136	College Properties		275
17,425	OTHER ITEMS..		20,521

NOTES

1. In addition to the Income and Expenditure shown, sums totalling £315,800 were spent on Extra-budgetary activities for which grants have been or will be received from outside sources.
2. Expenditure shown in this account has been decreased by £9,517 representing a net decrease in unexpended balances of revenue grants from University Court.

£1,801,048		£1,978,132
7,424	Balance as at 1st August, 1960	10,606
3,182	Excess of Income over Expenditure for the year	1,007
£10,606		£11,613

Printed by Taylor & Francis Ltd, Red Lion Court, Fleet Street